

chain nodes :

13 14 15 16 17 18 21 22

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12

chain bonds :

3-7 3-22 6-13 10-15 13-14 13-21 15-16 15-17 17-18

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-6 2-3 3-4 3-7 4-5 5-6 6-13 7-8 7-12 8-9 9-10 10-11 10-15
11-12 13-14 13-21 15-16 15-17 17-18

exact bonds :

3-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:Atom 17:CLASS
18:Atom 21:Atom 22:CLASS

L16 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2006:885318 CAPLUS

DOCUMENT NUMBER: 145:293046

TITLE: Piperidinylpiperidine derivatives useful as inhibitors of chemokine receptors and their preparation and pharmaceutical compositions

INVENTOR(S): Chan, Tze-Ming; Cox, Kathleen; Feng, Wenqing; Miller, Michael W.; Weston, Daniel; McCombie, Stuart

PATENT ASSIGNEE(S): Schering Corporation, USA

SOURCE: PCT Int. Appl., 92pp.

CODEN: PIXXD2

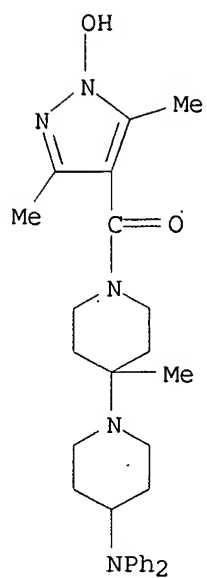
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006091534	A1	20060831	WO 2006-US5969	20060221
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
US 2006223856	A1	20061005	US 2006-358248	20060221
PRIORITY APPLN. INFO.:			US 2005-655538P	P 20050223
IT 908021-00-1P				
RL:	(Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(drug candidate; preparation of piperidinylpiperidine derivs. as inhibitors of chemokine receptors useful in treatment and prevention of diseases)			
RN 908021-00-1	CAPLUS			
CN	INDEX NAME NOT YET ASSIGNED			



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1016895 CAPLUS

DOCUMENT NUMBER: 143:415586

TITLE: G-Protein-Coupled Receptor Affinity Prediction Based on the Use of a Profiling Dataset: QSAR Design, Synthesis, and Experimental Validation

AUTHOR(S): Rolland, Catherine; Gozalbes, Rafael; Nicolaie, Eric; Paugam, Marie-France; Coussy, Laurent; Barbosa, Frederique; Horvath, Dragos; Revah, Frederic

CORPORATE SOURCE: Cerep, Rueil-Malmaison, 92500, Fr.

SOURCE: Journal of Medicinal Chemistry (2005), 48(21), 6563-6574

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

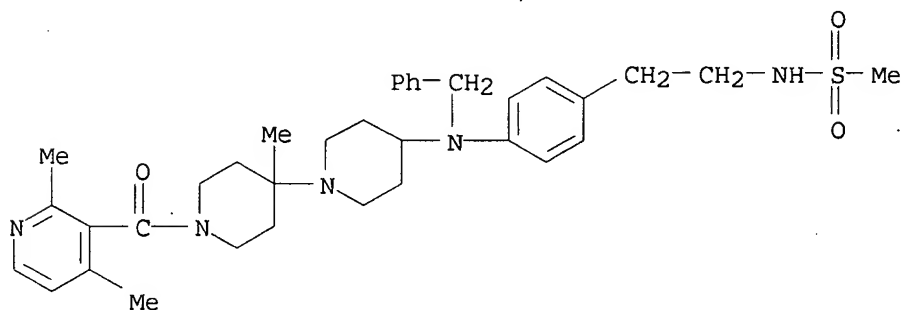
IT 868056-99-9

RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(QSAR design, synthesis, and exptl. validation of G-protein-coupled receptor affinity prediction based on use of a profiling dataset)

RN 868056-99-9 CAPLUS

CN 1,4'-Bipiperidine, 1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-4'-methyl-4-[[4-[2-[(methylsulfonyl)amino]ethyl]phenyl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

26

THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:409505 CAPLUS
DOCUMENT NUMBER: 142:463612
TITLE: Preparation of bipiperidinyI derivatives as inhibitors
of CCR5 receptors
INVENTOR(S): Miller, Michael W.; Scott, Jack D.
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 84 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042517	A2	20050512	WO 2004-US36273	20041101
WO 2005042517	A3	20050728		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2004285051	A1	20050512	AU 2004-285051	20041101
CA 2544377	AA	20050512	CA 2004-2544377	20041101
US 2006025441	A1	20060202	US 2004-979075	20041101
EP 1687295	A2	20060809	EP 2004-800524	20041101
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR, IS			

PRIORITY APPLN. INFO.: US 2003-516954P P 20031103
WO 2004-US36273 W 20041101

OTHER SOURCE(S): MARPAT 142:463612

IT 851704-42-2P 851704-66-0P 851704-88-6P

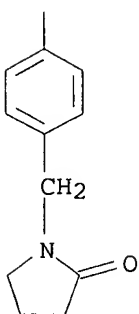
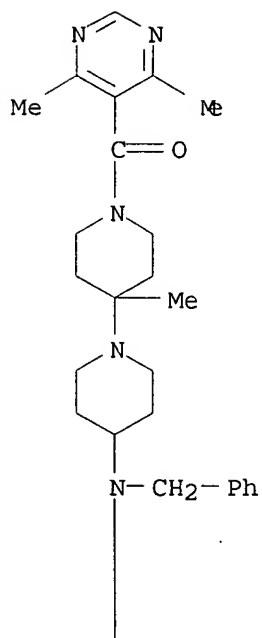
851704-97-7P 851704-99-9P 851705-04-9P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

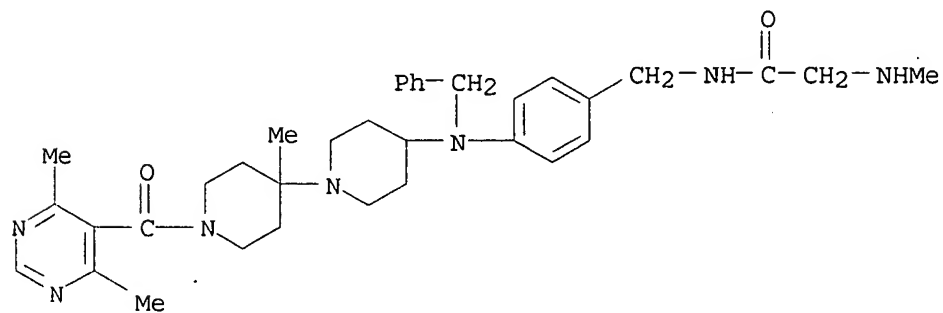
(preparation of bipiperidinyI derivs. as inhibitors of CCR5 receptors)

RN 851704-42-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[(2-oxo-1-pyrrolidinyl)methyl]phenyl]-N-(phenylmethyl)- (9CI)
(CA INDEX NAME)



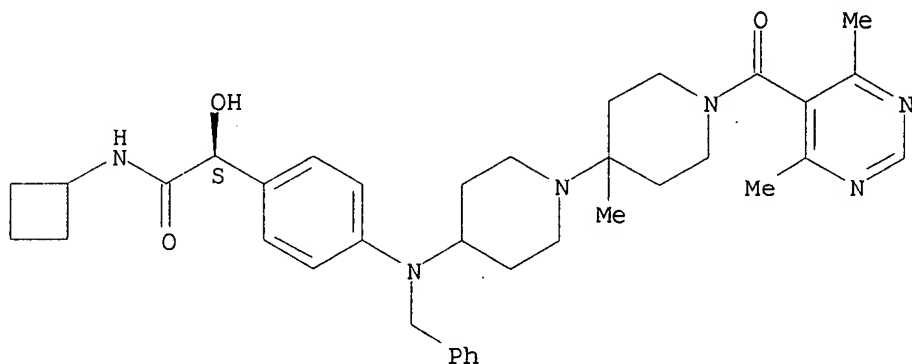
RN 851704-66-0 CAPLUS
 CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-2-(methylamino)- (9CI) (CA INDEX NAME)



RN 851704-88-6 CAPLUS

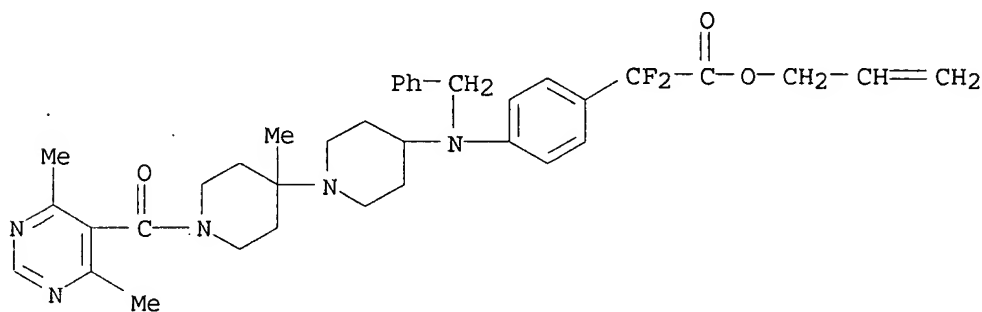
CN Benzeneacetamide, N-cyclobutyl-4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- α -hydroxy-, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



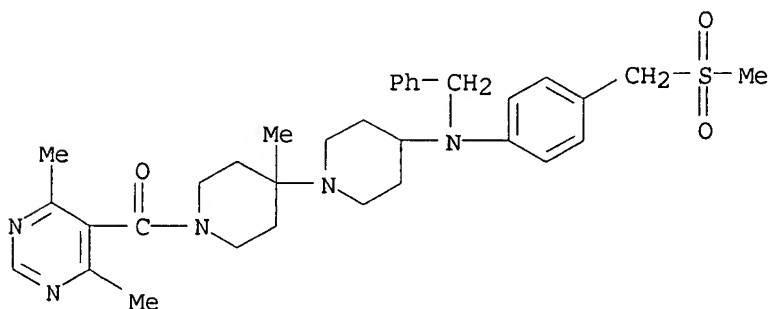
RN 851704-97-7 CAPLUS

CN Benzenecetic acid, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- α,α -difluoro-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 851704-99-9 CAPLUS

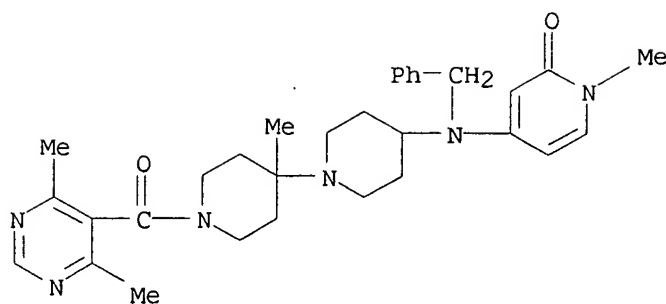
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[(methylsulfonyl)methyl]phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 851705-04-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(1,2-dihydro-1-methyl-2-oxo-4-pyridinyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI)

(CA INDEX NAME)



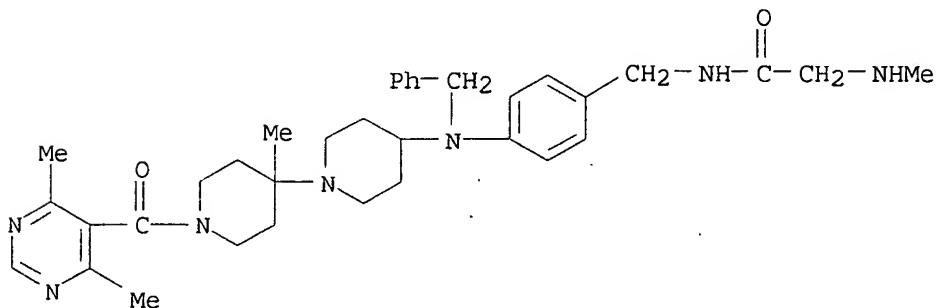
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 851705-01-6P 851705-02-7P 851705-03-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bipiperidinyl derivs. as inhibitors of CCR5 receptors)

RN 851704-31-9 CAPLUS

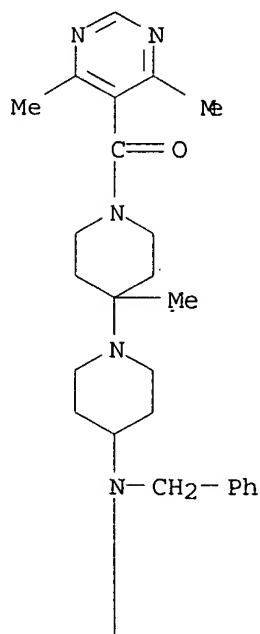
CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl] (phenylmethyl)amino]phenyl]methyl]-2-(methylamino)-, monohydrochloride (9CI) (CA INDEX NAME)



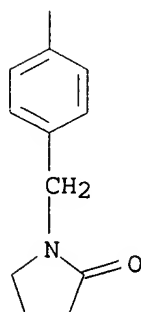
RN 851704-32-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[(2-oxo-1-pyrrolidinyl)methyl]phenyl]-N-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

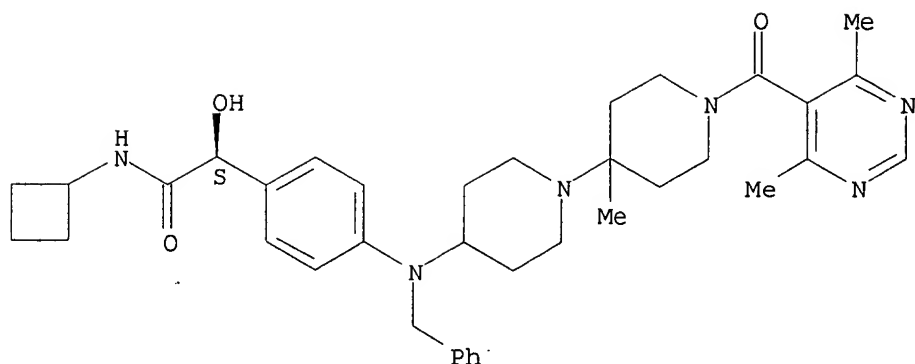


● HCl

RN 851704-33-1 CAPLUS

CN Benzeneacetamide, N-cyclobutyl-4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- α -hydroxy-, monohydrochloride, (α S)- (9CI) (CA INDEX NAME)

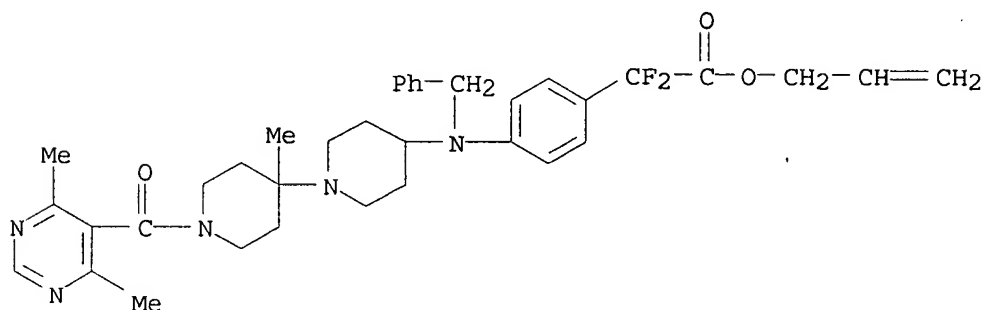
Absolute stereochemistry.



● HCl

RN 851704-34-2 CAPLUS

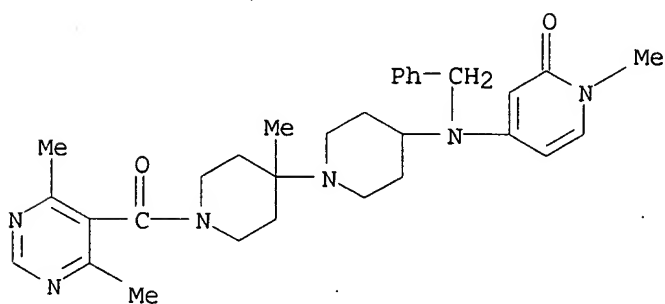
CN Benzeneacetic acid, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl] (phenylmethyl)amino]- α,α -difluoro-, 2-propenyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

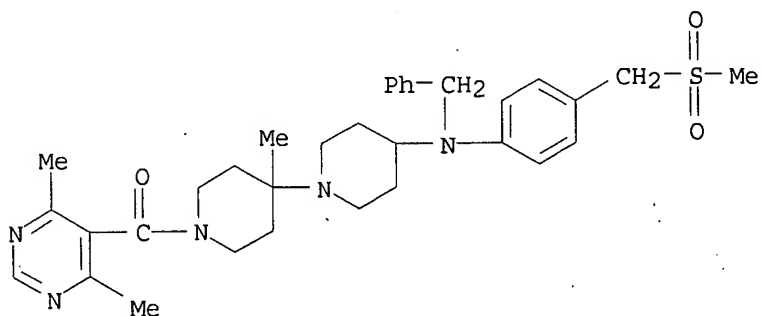
RN 851704-35-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(1,2-dihydro-1-methyl-2-oxo-4-pyridinyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)



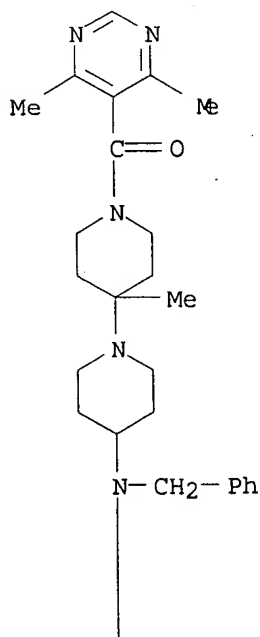
● HCl

RN 851704-36-4 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[(methylsulfonyl)methyl]phenyl]-N-(phenylmethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

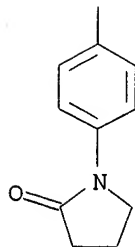


● HCl

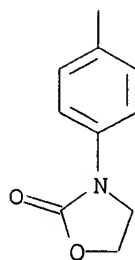
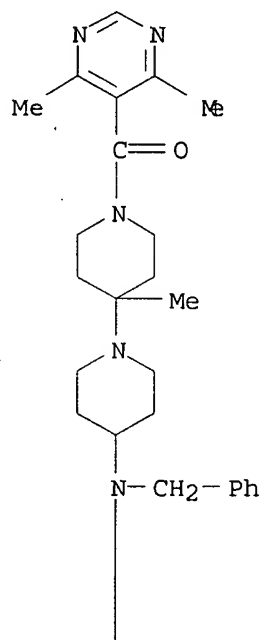
RN 851704-37-5 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(2-oxo-1-pyrrolidinyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



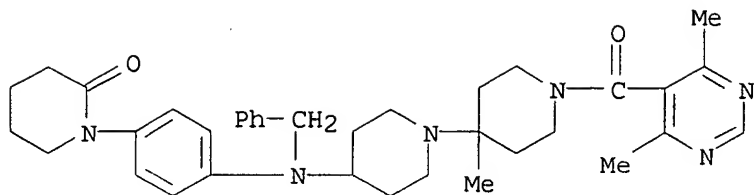
PAGE 1-A



RN 851704-38-6 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(2-oxo-3-oxazolidinyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

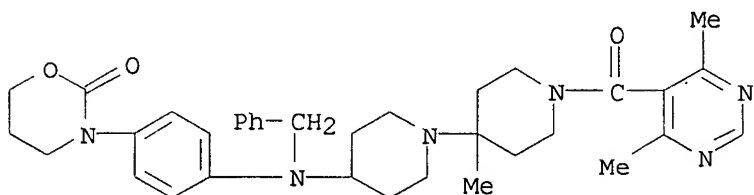


RN 851704-40-0 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(2-oxo-1-piperidinyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 851704-41-1 CAPLUS

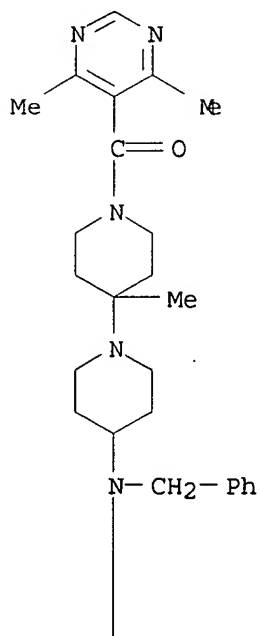
CN [1,4'-Bipiperidin]-4-amine, N-[4-(dihydro-2-oxo-2H-1,3-oxazin-3(4H)-yl)phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

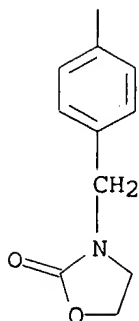


RN 851704-43-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[(2-oxo-3-oxazolidinyl)methyl]phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

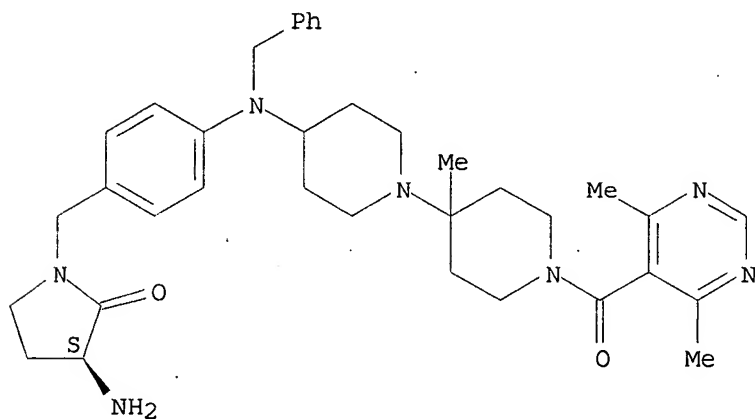




RN 851704-44-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[[[(3S)-3-amino-2-oxo-1-pyrrolidinyl]methyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

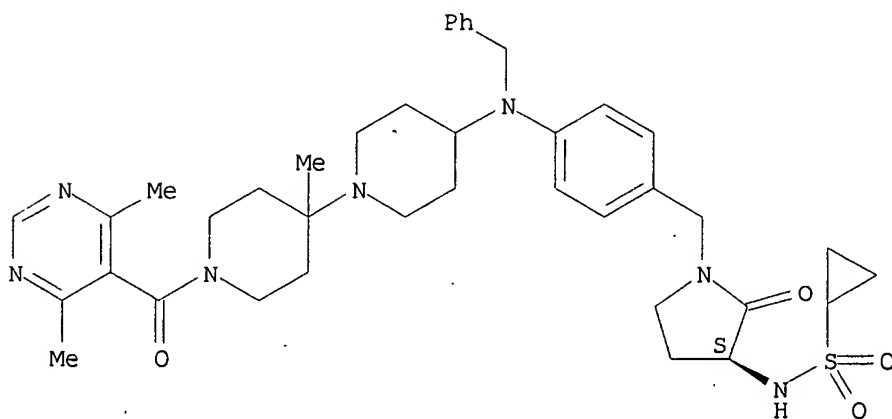
Absolute stereochemistry.



RN 851704-45-5 CAPLUS

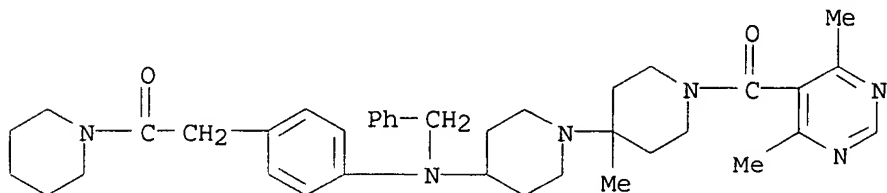
CN [1,4'-Bipiperidin]-4-amine, N-[4-[[[(3S)-3-[(cyclopropylsulfonyl)amino]-2-oxo-1-pyrrolidinyl]methyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 851704-46-6 CAPLUS

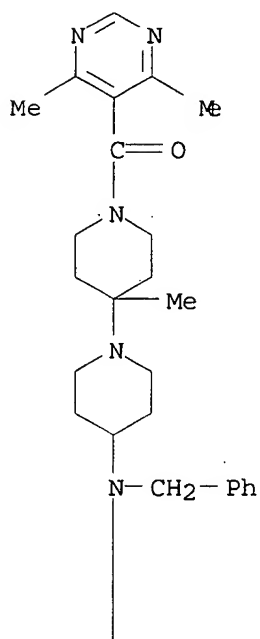
CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[2-oxo-2-(1-piperidinyl)ethyl]phenyl]-N-(phenylmethyl)- (9CI)
(CA INDEX NAME)



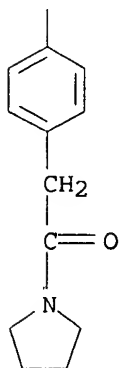
RN 851704-47-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[2-oxo-2-(1-pyrrolidinyl)ethyl]phenyl]-N-(phenylmethyl)- (9CI)
(CA INDEX NAME)

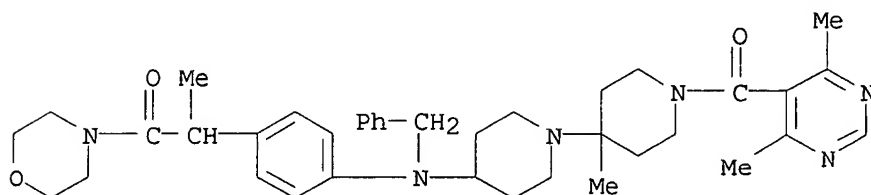
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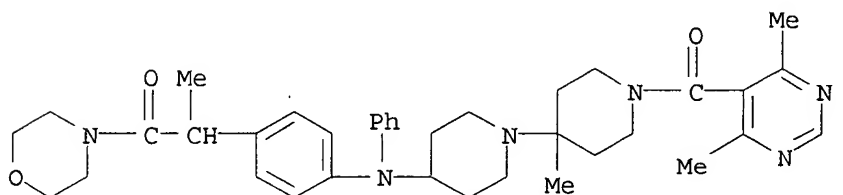
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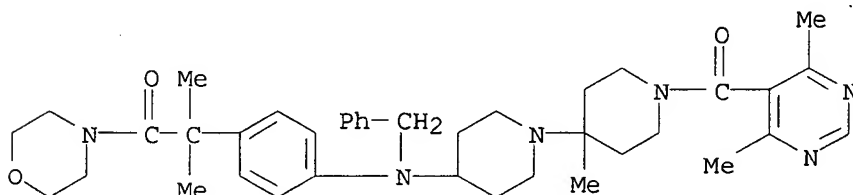
RN 851704-48-8 CAPLUS
 CN Morpholine, 4-[2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-1-oxopropyl]-(9CI) (CA INDEX NAME)



RN 851704-49-9 CAPLUS
 CN Morpholine, 4-[2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl]phenylamino]phenyl]-1-oxopropyl]-(9CI) (CA INDEX NAME)

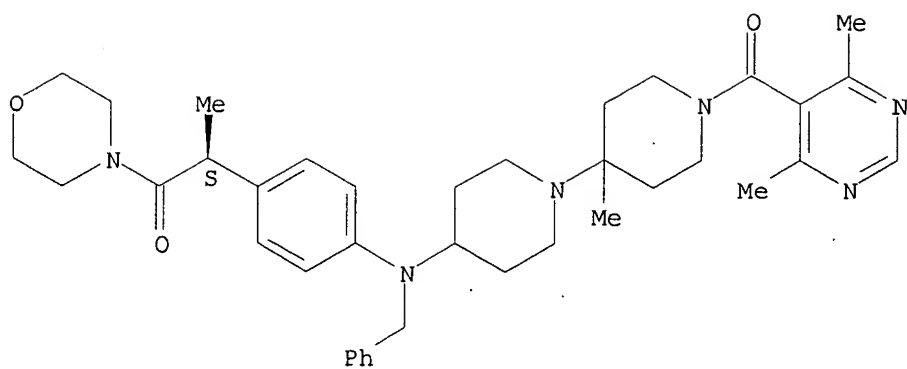


RN 851704-50-2 CAPLUS
 CN Morpholine, 4-[2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]-(9CI) (CA INDEX NAME)



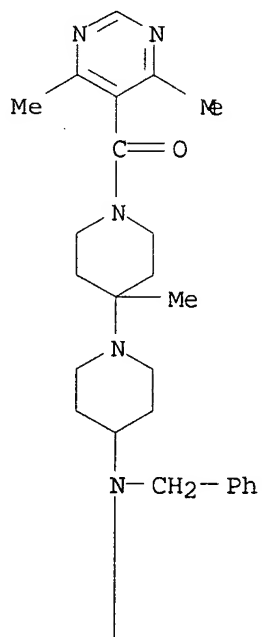
RN 851704-51-3 CAPLUS
 CN Morpholine, 4-[(2S)-2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-1-oxopropyl]-(9CI) (CA INDEX NAME)

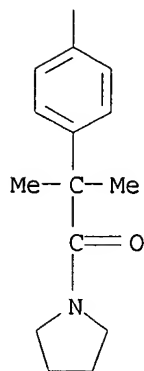
Absolute stereochemistry.



RN 851704-52-4 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, N-[4-[1,1-dimethyl-2-oxo-2-(1-pyrrolidinyl)ethyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

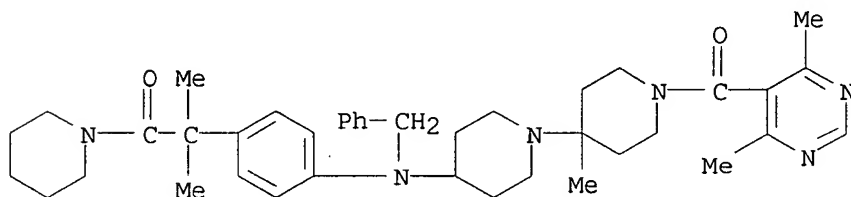
PAGE 1-A





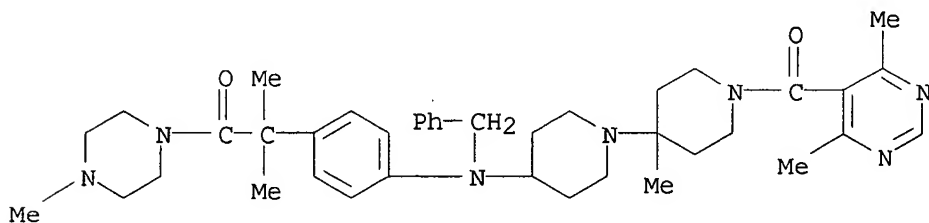
RN 851704-53-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[1,1-dimethyl-2-oxo-2-(1-piperidinyl)ethyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



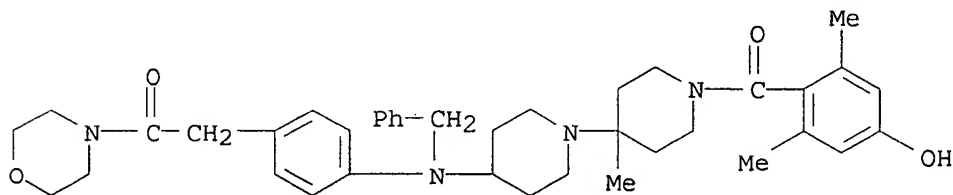
RN 851704-54-6 CAPLUS

CN Piperazine, 1-[2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]-4-methyl-(9CI) (CA INDEX NAME)



RN 851704-55-7 CAPLUS

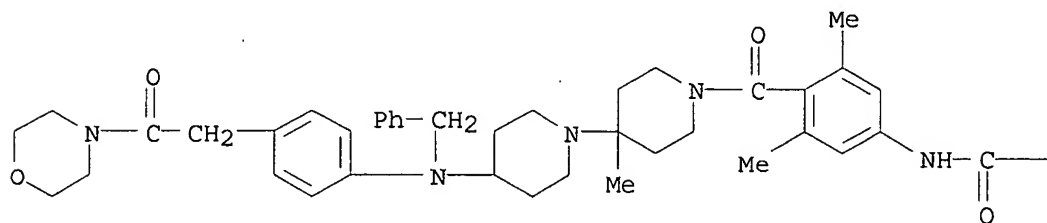
CN Morpholine, 4-[[4-[[1'-[(4-hydroxy-2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]acetyl]- (9CI) (CA INDEX NAME)



RN 851704-56-8 CAPLUS

CN Morpholine, 4-[[4-[[1'-[4-[(ethylamino)carbonyl]amino]-2,6-dimethylbenzoyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]acetyl]- (9CI) (CA INDEX NAME)

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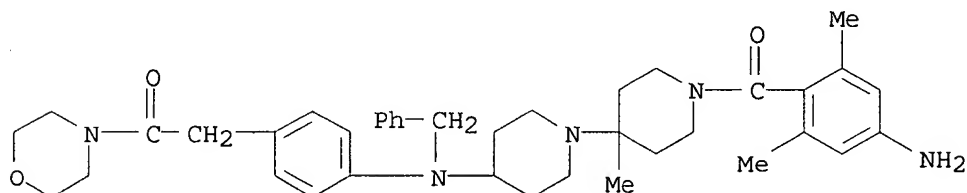


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— NH₂t

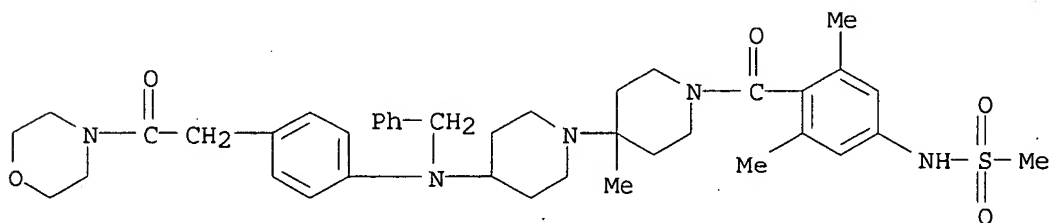
RN 851704-57-9 CAPLUS

CN Morpholine, 4-[[4-[[1'-(4-amino-2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]acetyl]- (9CI) (CA INDEX NAME)



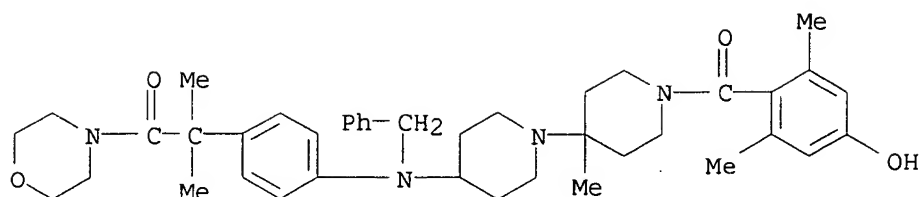
RN 851704-58-0 CAPLUS

CN Morpholine, 4-[[4-[[1'-[2,6-dimethyl-4-[(methylsulfonyl)amino]benzoyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]acetyl]- (9CI) (CA INDEX NAME)



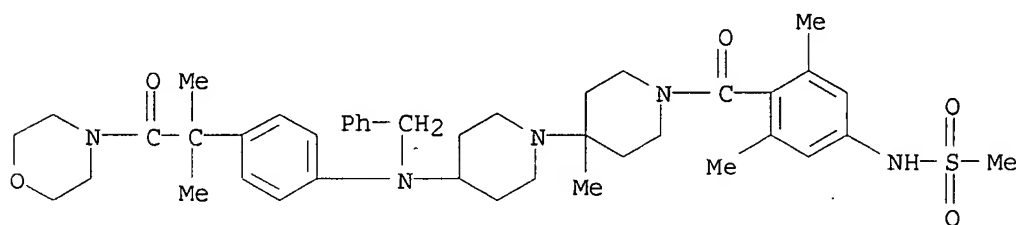
RN 851704-59-1 CAPLUS

CN Morpholine, 4-[2-[4-[[1'-(4-hydroxy-2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)



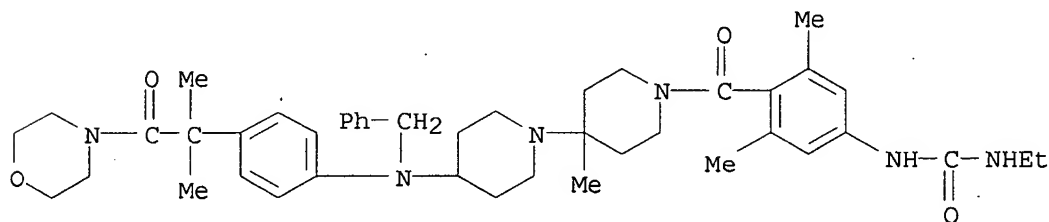
RN 851704-60-4 CAPLUS

CN Morpholine, 4-[2-[4-[[1'-[2,6-dimethyl-4-[(methylsulfonyl)amino]benzoyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)



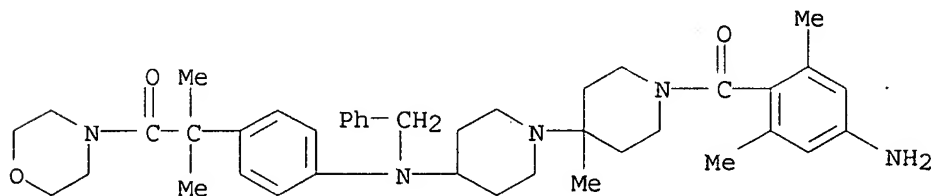
RN 851704-61-5 CAPLUS

CN Morpholine, 4-[2-[4-[[1'-[4-[[[(ethylamino)carbonyl]amino]-2,6-dimethylbenzoyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)



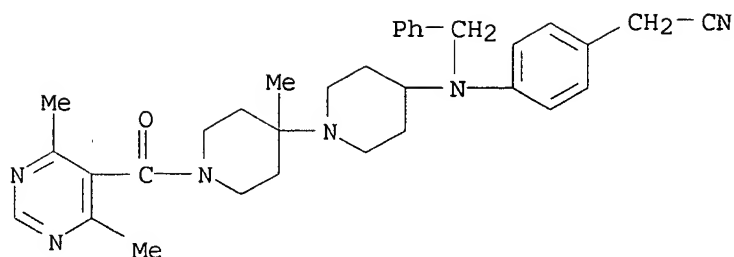
RN 851704-62-6 CAPLUS

CN Morpholine, 4-[2-[4-[[1'-(4-amino-2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-methyl-1-oxopropyl]- (9CI) (CA INDEX NAME)



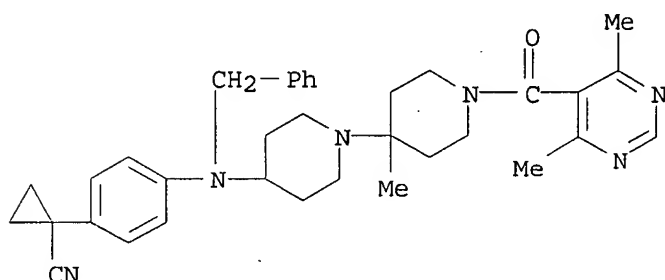
RN 851704-64-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-(cyanomethyl)phenyl]-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



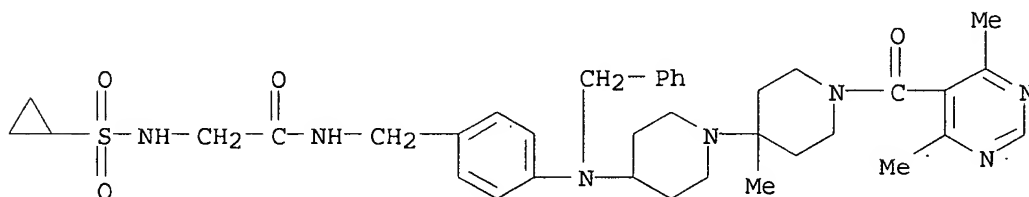
RN 851704-65-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-(1-cyanocyclopropyl)phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



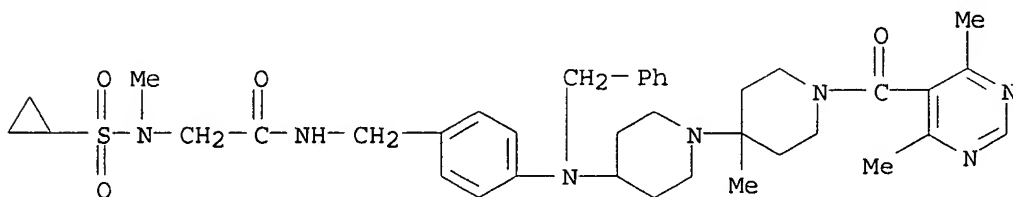
RN 851704-67-1 CAPLUS

CN Acetamide, 2-[(cyclopropylsulfonyl)amino]-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]- (9CI) (CA INDEX NAME)



RN 851704-68-2 CAPLUS

CN Acetamide, 2-[(cyclopropylsulfonyl)methylamino]-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]- (9CI) (CA INDEX NAME)

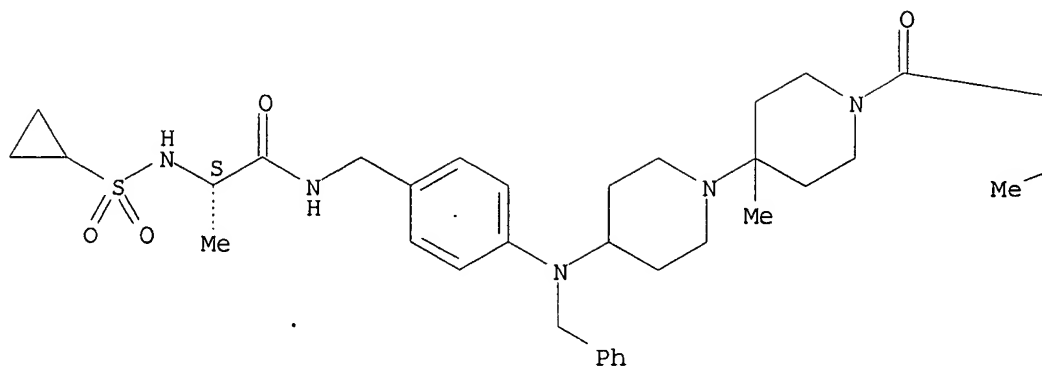


RN 851704-69-3 CAPLUS

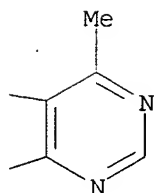
CN Propanamide, 2-[(cyclopropylsulfonyl)amino]-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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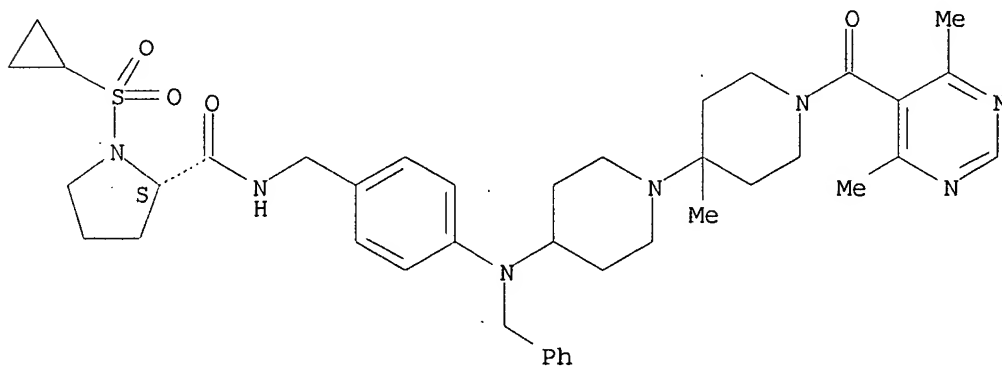
PAGE 1-B



RN 851704-70-6 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-(cyclopropylsulfonyl)-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

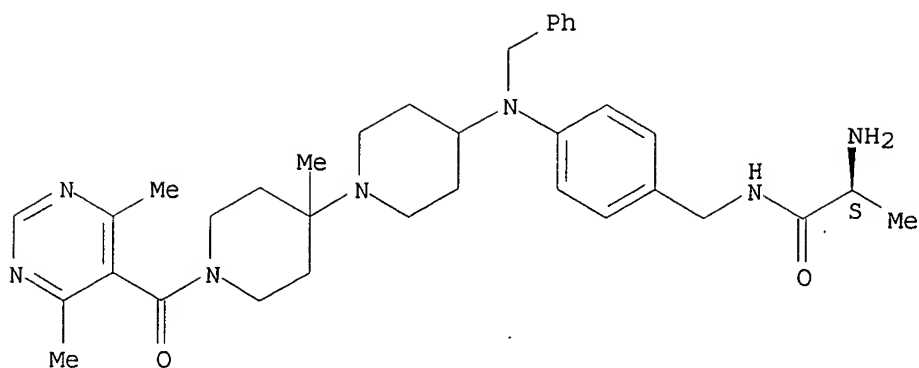
Absolute stereochemistry.



RN 851704-71-7 CAPLUS

CN Propanamide, 2-amino-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

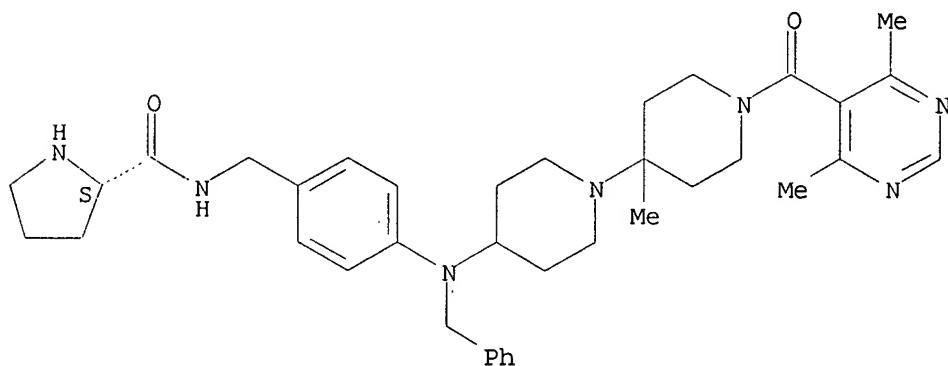
Absolute stereochemistry.



RN 851704-72-8 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (2S)- (9CI) (CA INDEX NAME)

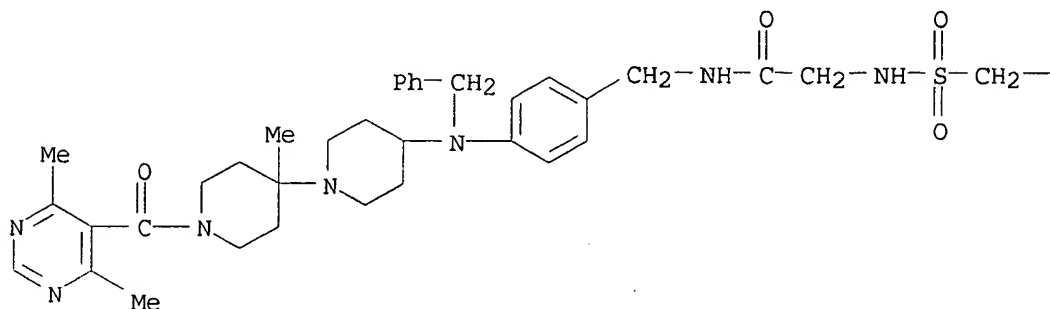
Absolute stereochemistry.



RN 851704-73-9 CAPLUS

CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-2-[[2,2,2-trifluoroethyl)sulfonyl]amino]- (9CI) (CA INDEX NAME)

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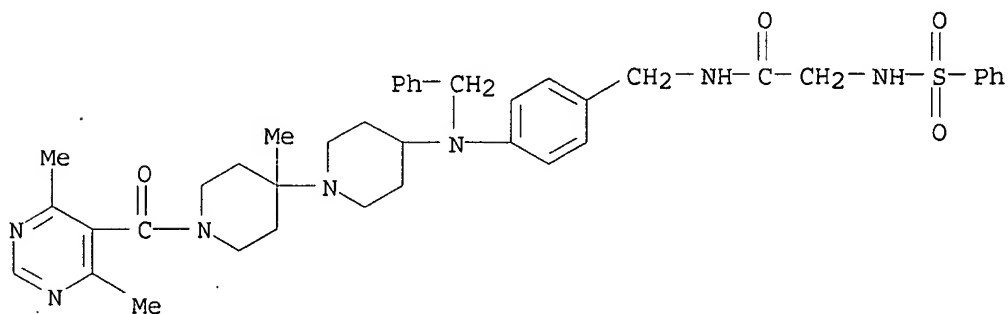


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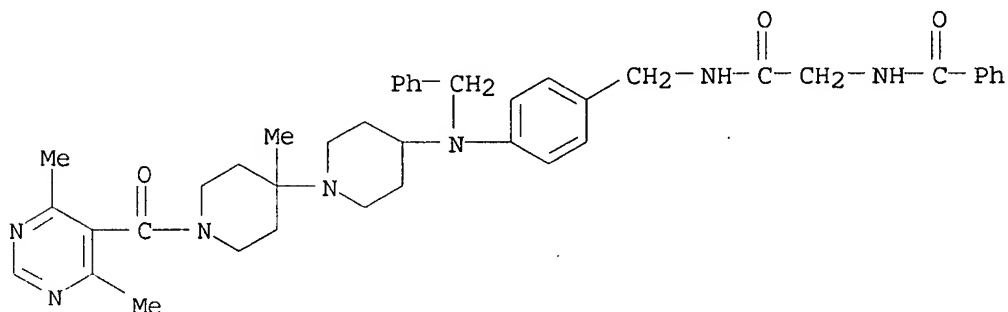
RN 851704-74-0 CAPLUS

CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-2-[(phenylsulfonyl)amino]- (9CI) (CA INDEX NAME)



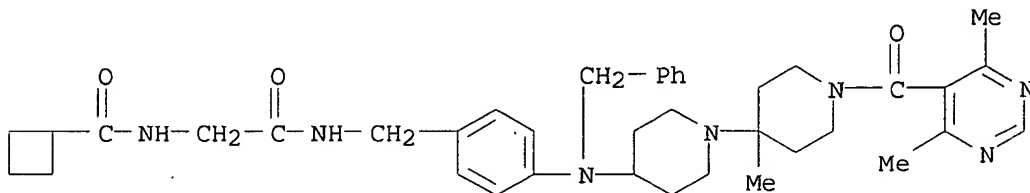
RN 851704-75-1 CAPLUS

CN Benzamide, N-[2-[[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)



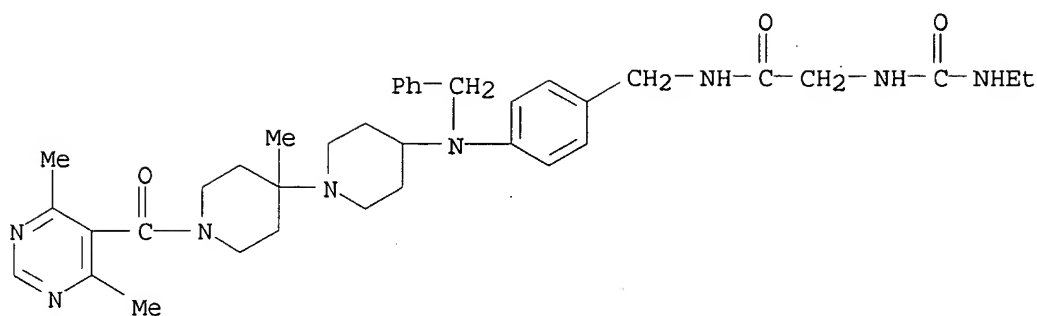
RN 851704-76-2 CAPLUS

CN Cyclobutanecarboxamide, N-[2-[[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]amino]-2-oxoethyl]- (9CI) (CA INDEX NAME)



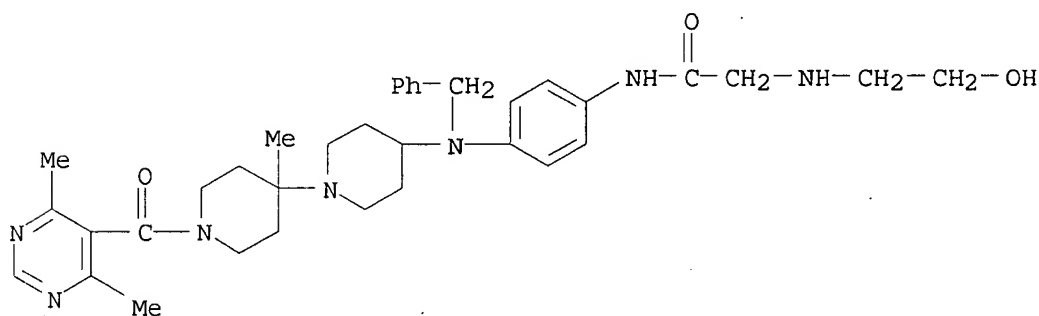
RN 851704-77-3 CAPLUS

CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-2-[(ethylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



RN 851704-78-4 CAPLUS

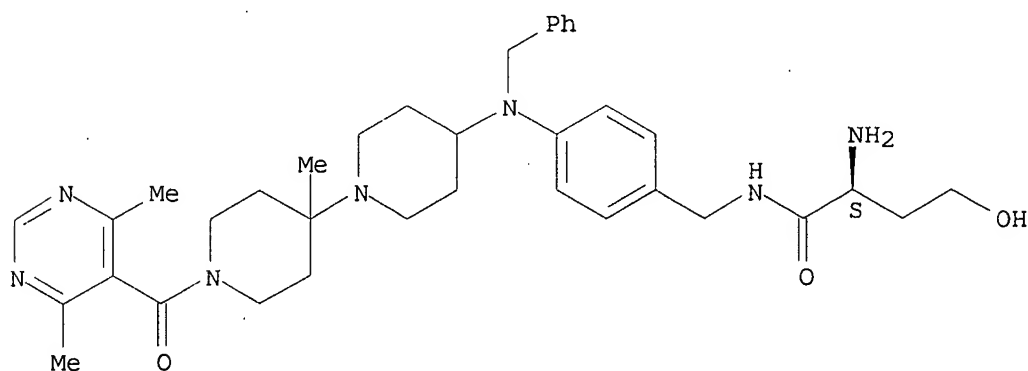
CN Acetamide, N-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]-2-[(2-hydroxyethyl)amino]-(9CI) (CA INDEX NAME)



RN 851704-79-5 CAPLUS

CN Butanamide, 2-amino-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-4-hydroxy-, (2S)- (9CI) (CA INDEX NAME)

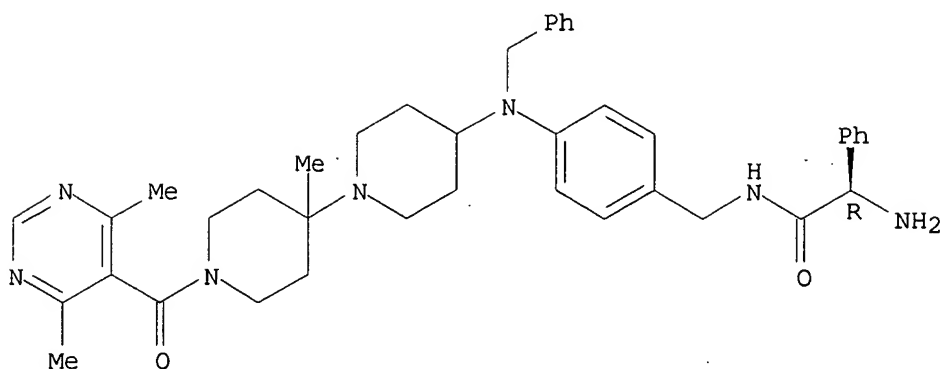
Absolute stereochemistry.



RN 851704-80-8 CAPLUS

CN Benzeneacetamide, alpha-amino-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (alphaR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

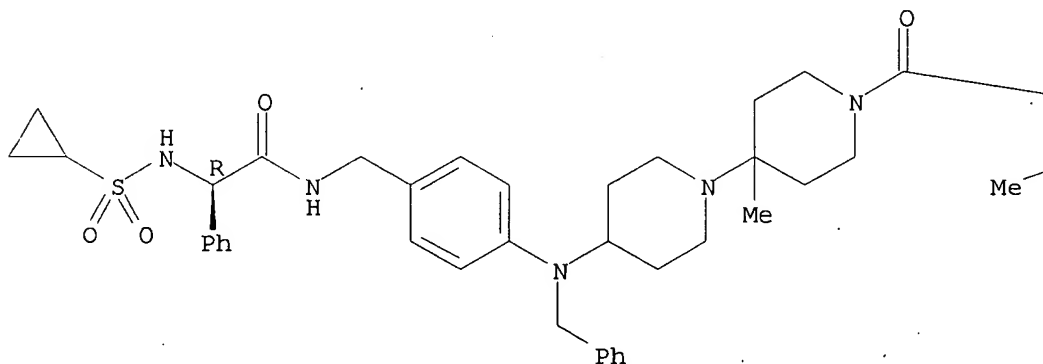


RN 851704-81-9 CAPLUS

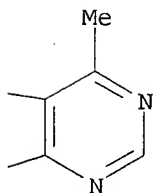
CN Benzeneacetamide, α -[(cyclopropylsulfonyl)amino]-N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-, (α R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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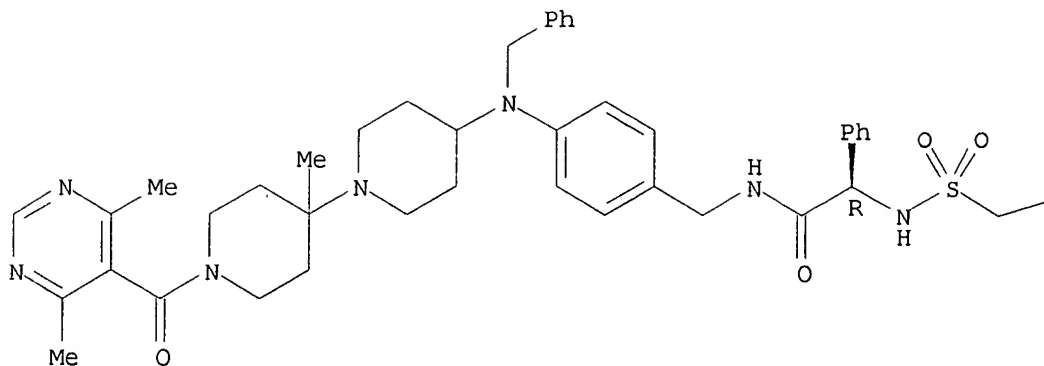
PAGE 1-B



RN 851704-82-0 CAPLUS

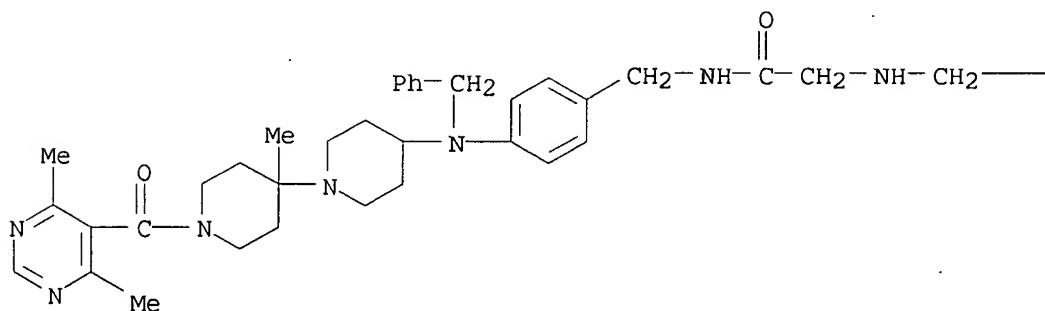
CN Benzeneacetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]- α -[(2,2,2-trifluoroethyl)sulfonyl]amino]-, (α R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

—CF₃

RN 851704-83-1 CAPLUS

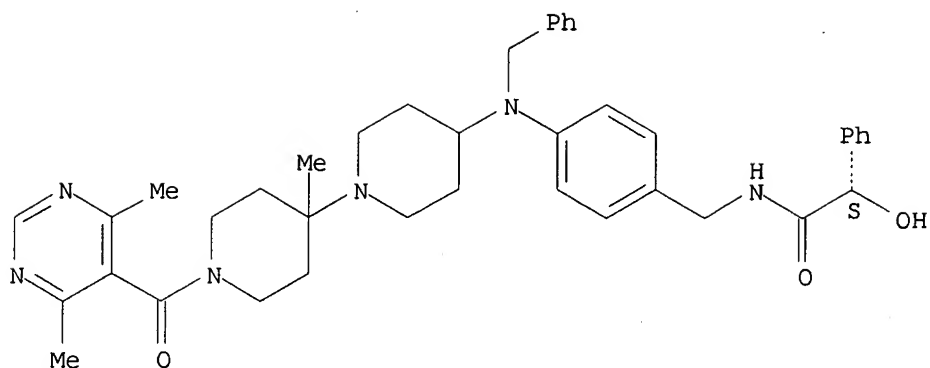
CN Acetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-2-[(2-hydroxyethyl)amino]- (9CI) (CA INDEX NAME)

—CH₂—OH

RN 851704-84-2 CAPLUS

CN Benzeneacetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-α-hydroxy-, (αS)- (9CI) (CA INDEX NAME)

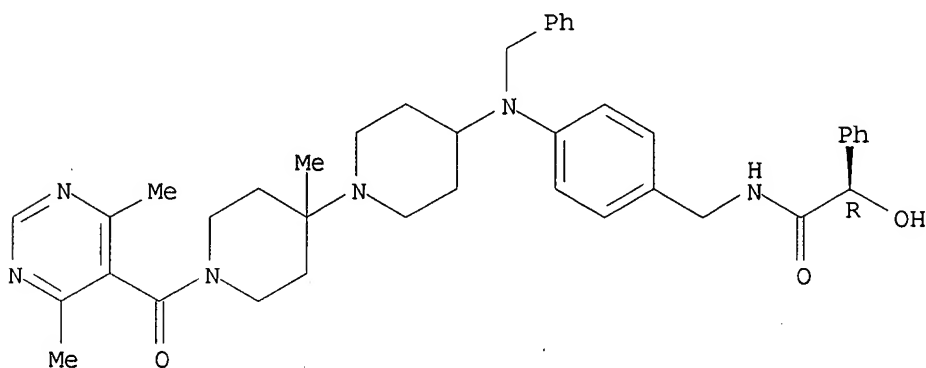
Absolute stereochemistry.



RN 851704-85-3 CAPLUS

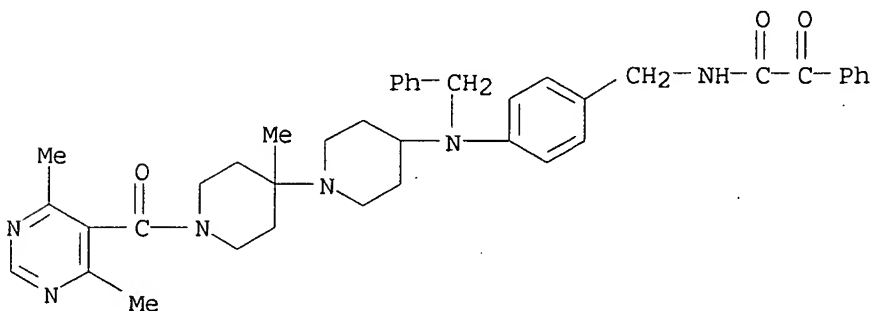
CN Benzeneacetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-α-hydroxy-, (αR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 851704-86-4 CAPLUS

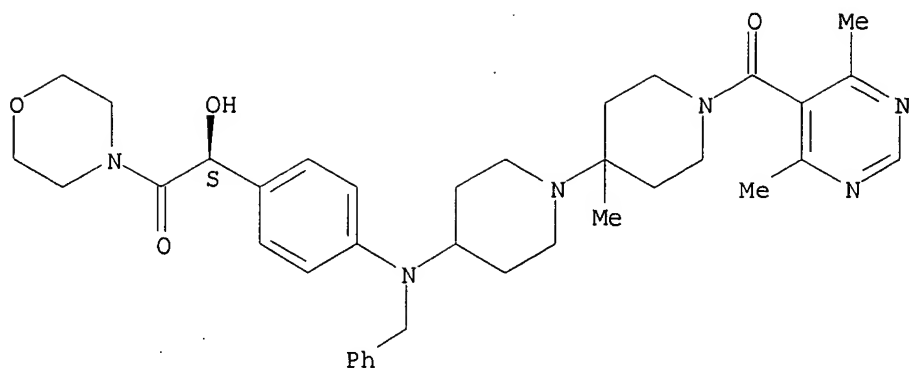
CN Benzeneacetamide, N-[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]-α-oxo-, (9CI) (CA INDEX NAME)



RN 851704-87-5 CAPLUS

CN Morpholine, 4-[(2S)-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]hydroxyacetyl]- (9CI) (CA INDEX NAME)

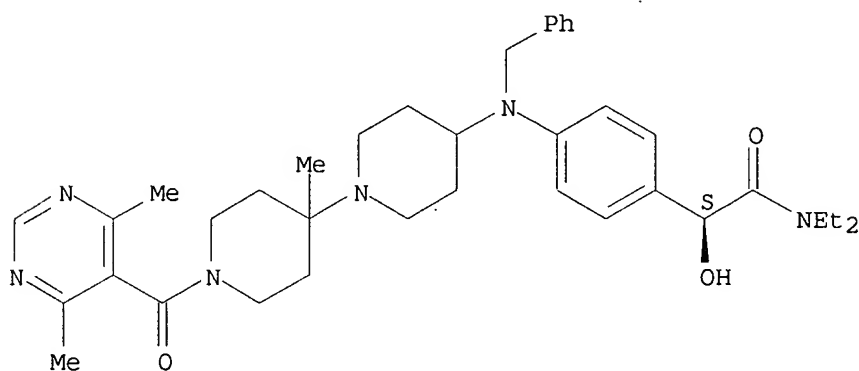
Absolute stereochemistry.



RN 851704-89-7 CAPLUS

CN Benzeneacetamide, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-N,N-diethyl- α -hydroxy-, (α S)- (9CI) (CA INDEX NAME)

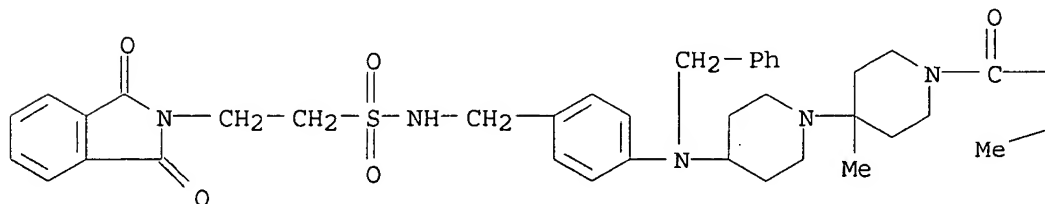
Absolute stereochemistry.



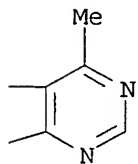
RN 851704-90-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[[[2-(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)ethyl]sulfonyl]amino]methyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

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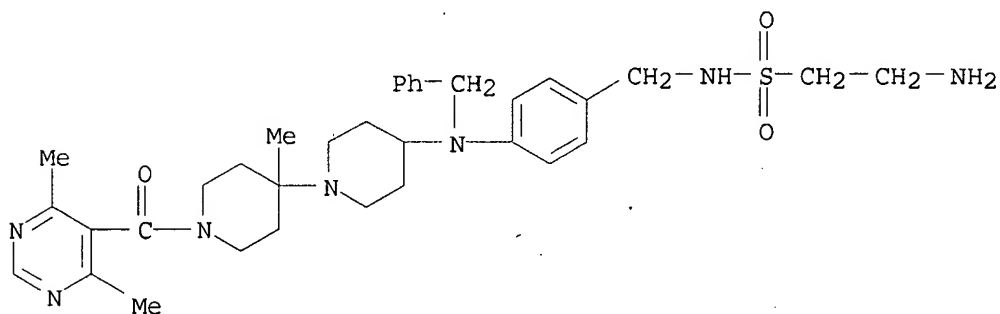


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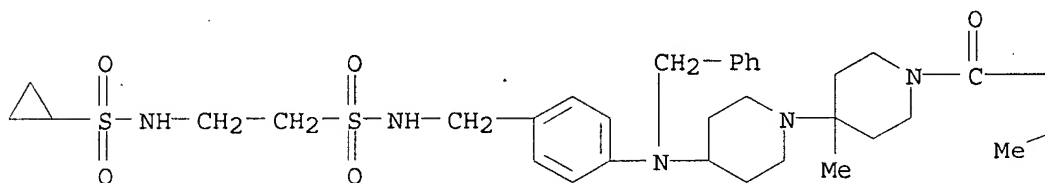
RN 851704-91-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[[[(2-aminoethyl)sulfonyl]amino]methyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-(9CI) (CA INDEX NAME)



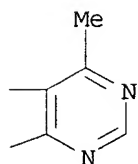
RN 851704-92-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[[[2-[(cyclopropylsulfonyl)amino]ethyl]sulfonyl]amino]methyl]phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-(9CI) (CA INDEX NAME)



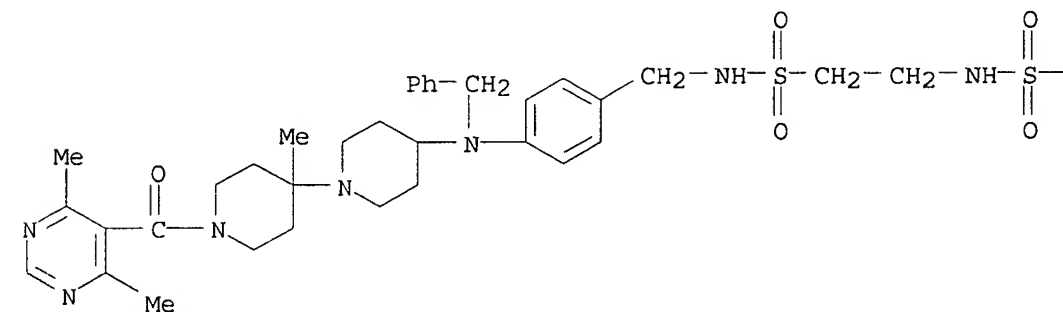
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RN 851704-93-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[4-[[[2-[(phenylsulfonyl)amino]ethyl]sulfonyl]amino]methyl]phenyl]-(9CI) (CA INDEX NAME)



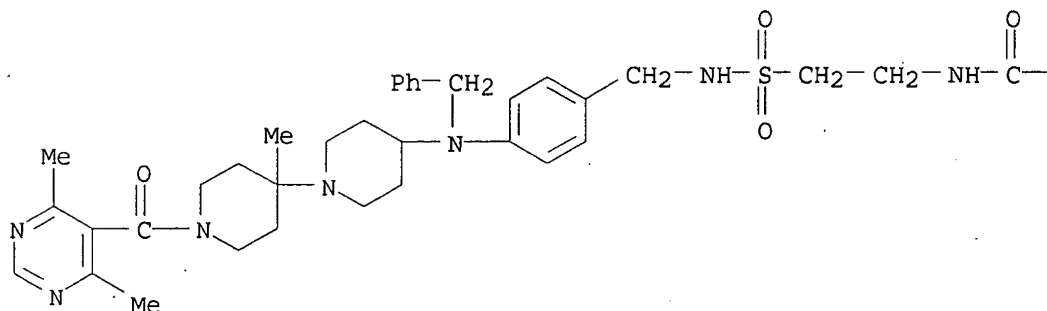
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RN 851704-94-4 CAPLUS

CN Benzamide, N-[2-[[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl)methyl]amino]sulfonyl]ethyl]- (9CI) (CA INDEX NAME)

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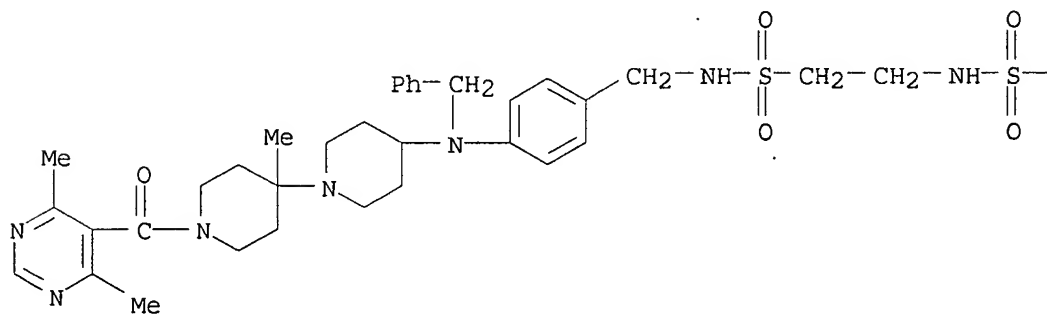
PAGE 1-B

— Ph

RN 851704-95-5 CAPLUS

CN 1,4'-Bipiperidine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-4-[(phenylmethyl)[4-(9,9,9-trifluoro-3,3,7,7-tetraoxido-3,7-dithia-2,6-diazanon-1-yl)phenyl]amino]- (9CI) (CA INDEX NAME)

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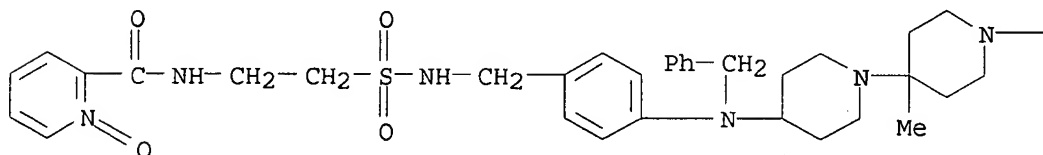
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— CH₂—CF₃

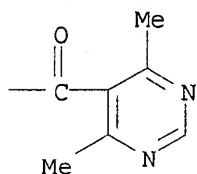
RN 851704-96-6 CAPLUS

CN 2-Pyridinecarboxamide, N-[2-[[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]methyl]amino]sulfonyl]ethyl]-, 1-oxide (9CI)
(CA INDEX NAME)

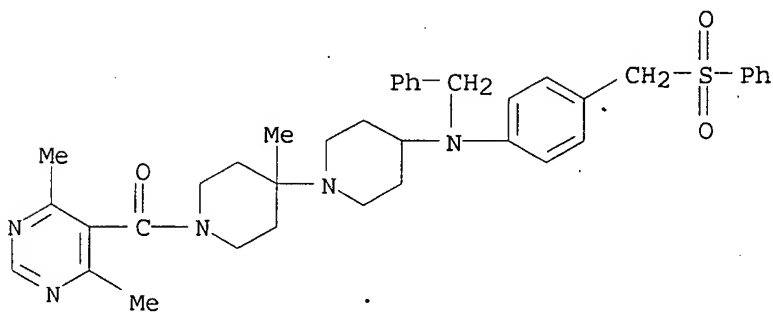
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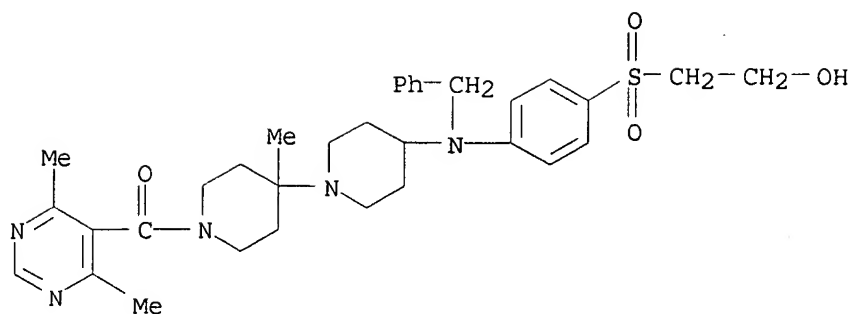
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RN 851704-98-8 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[4-[(phenylsulfonyl)methyl]phenyl]- (9CI) (CA INDEX NAME)

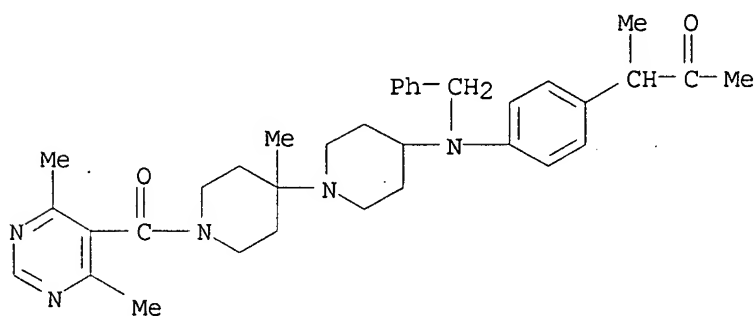


RN 851705-00-5 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-[4-[(2-hydroxyethyl)sulfonyl]phenyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



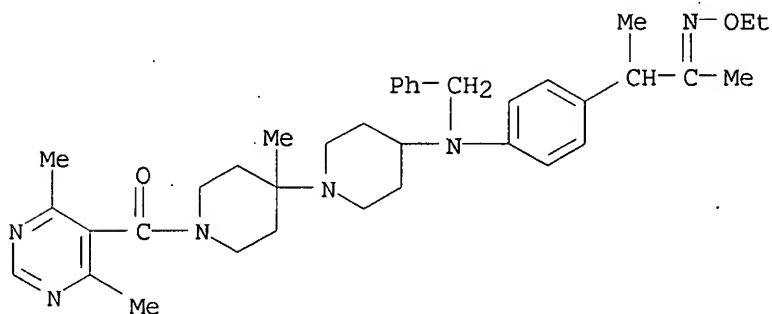
RN 851705-01-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(1-methyl-2-oxopropyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



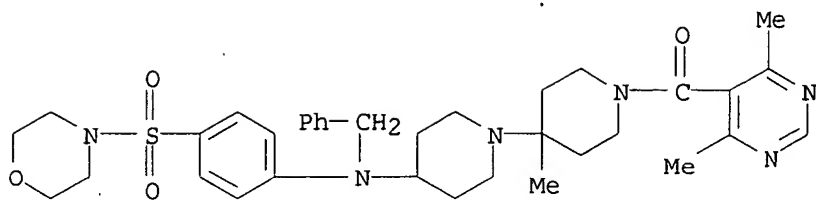
RN 851705-02-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-[4-(2-(ethoxyimino)-1-methylpropyl)phenyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 851705-03-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(4-morpholinylsulfonyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



IT 851705-09-4P 851705-10-7P 851705-11-8P

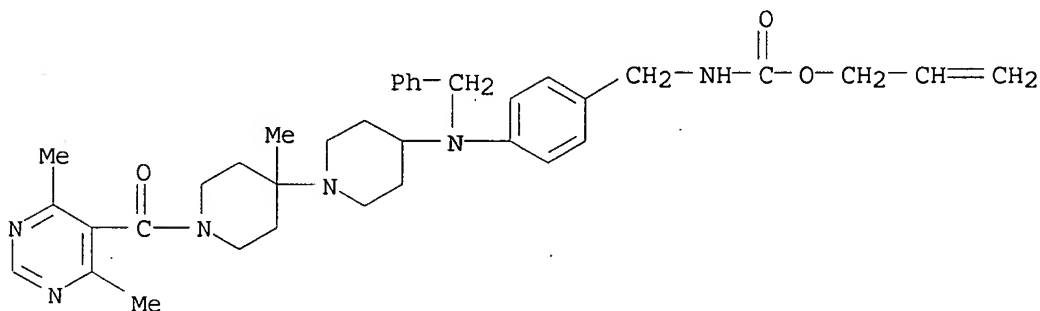
851705-18-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bipiperidiny l derivs. as inhibitors of CCR5 receptors)

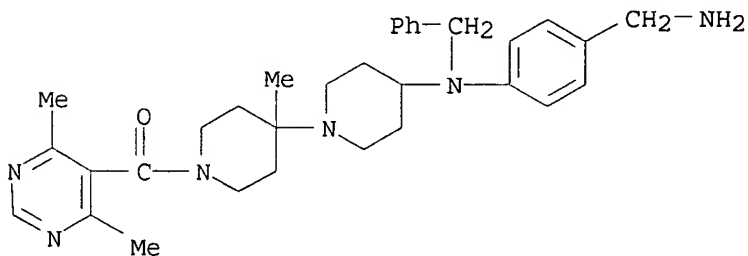
RN 851705-09-4 CAPLUS

CN Carbamic acid, [[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl)methyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



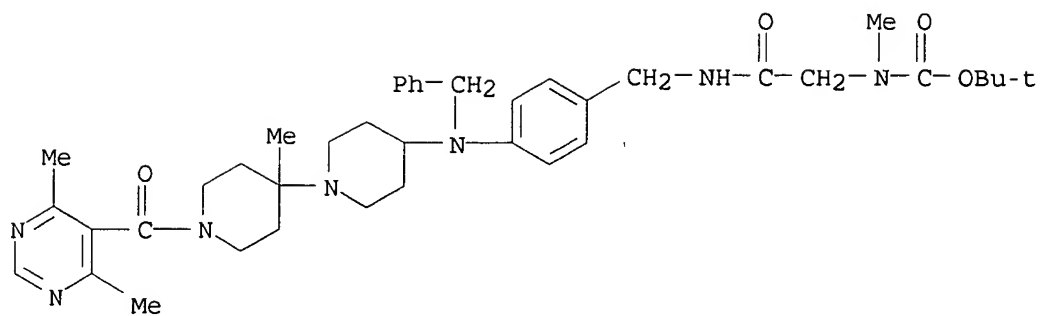
RN 851705-10-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-(aminomethyl)phenyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 851705-11-8 CAPLUS

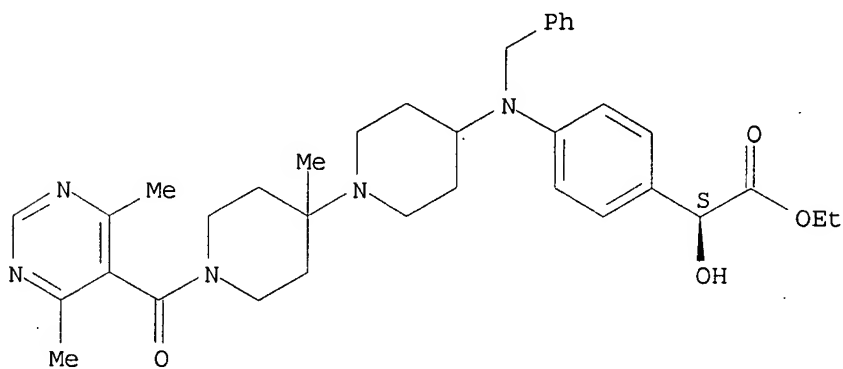
CN Carbamic acid, [2-[[[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl)methyl]amino]-2-oxoethyl)methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



RN 851705-18-5 CAPLUS

CN Benzeneacetic acid, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- α -hydroxy-, ethyl ester, (α S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L16 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:308430 CAPLUS
DOCUMENT NUMBER: 140:321241
TITLE: Preparation of heteroarylaminopiperidinylpiperidines
as CCR5 chemokine receptor antagonists.
INVENTOR(S): Albert, Rainer; Cooke, Nigel Graham; Thoma, Gebhard
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004031172	A1	20040415	WO 2003-EP11035	20031006
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW			
RW:	AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR			
CA 2501243	AA	20040415	CA 2003-2501243	20031006
AU 2003276056	A1	20040423	AU 2003-276056	20031006
EP 1551827	A1	20050713	EP 2003-798931	20031006
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
BR 2003015092	A	20050816	BR 2003-15092	20031006
CN 1703411	A	20051130	CN 2003-80100950	20031006
JP 2006503856	T2	20060202	JP 2004-540789	20031006
US 2006004047	A1	20060105	US 2005-529776	20050505
PRIORITY APPLN. INFO.:			GB 2002-23223	A 20021007
			WO 2003-EP11035	W 20031006

OTHER SOURCE(S): MARPAT 140:321241

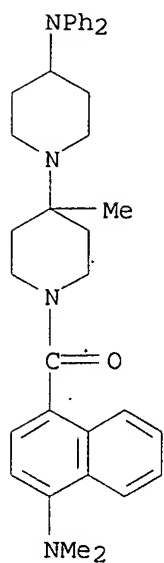
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678974-71-5P 678974-72-6P 678974-73-7P
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678975-01-4P 678975-02-5P 678975-03-6P
678975-04-7P 678975-05-8P 678975-06-9P
678975-07-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of heteroarylaminopiperidinylpiperidines as CCR5 chemokine receptor antagonists)

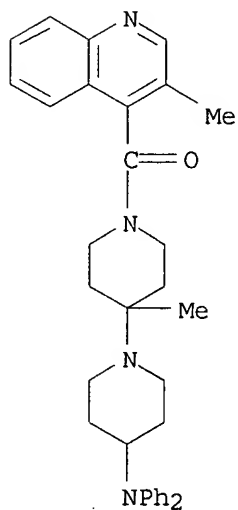
RN 470689-50-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[[4-(dimethylamino)-1-naphthalenyl]carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



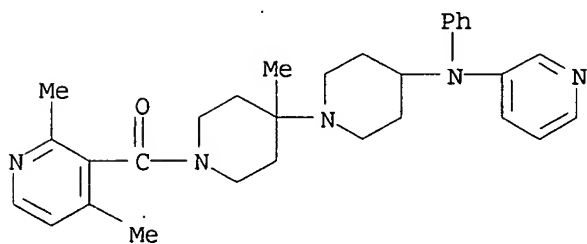
RN 470689-51-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'--[(3-methyl-4-quinolinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



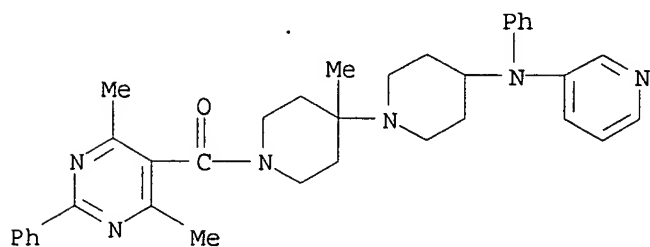
RN 678974-63-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(2,4-dimethyl-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



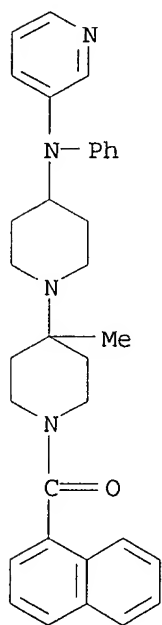
RN 678974-65-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-2-phenyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



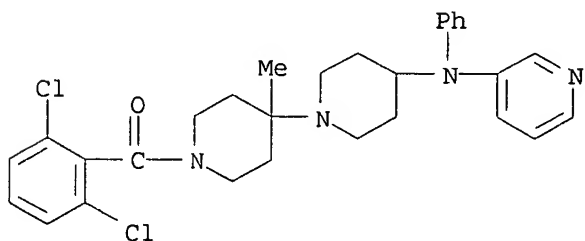
RN 678974-66-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-(1-naphthalenylcarbonyl)-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



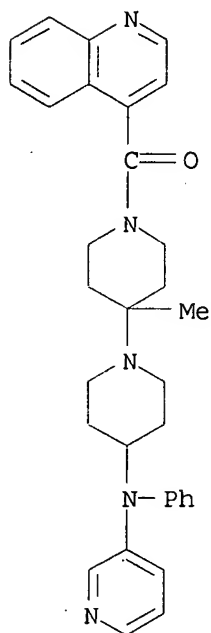
RN 678974-67-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dichlorobenzoyl)-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



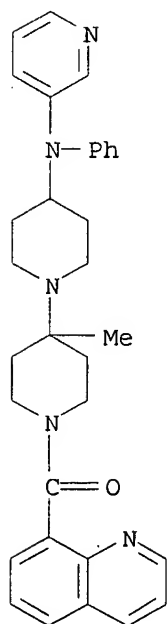
RN 678974-68-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N-phenyl-N-3-pyridinyl-1'-(4-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



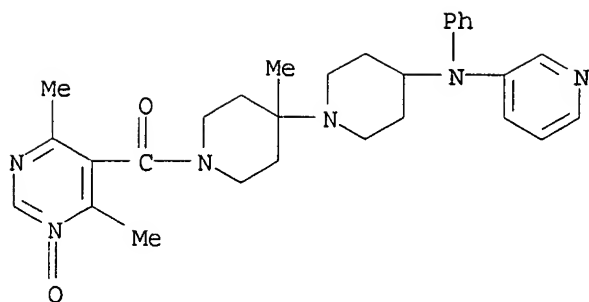
RN 678974-69-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N-phenyl-N-3-pyridinyl-1'-(8-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



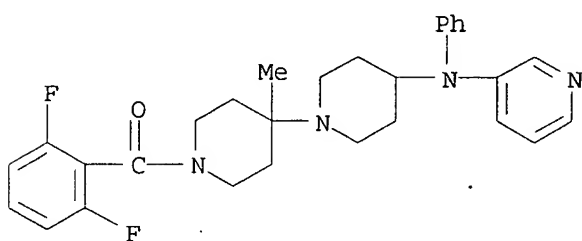
RN 678974-70-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-1-oxido-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



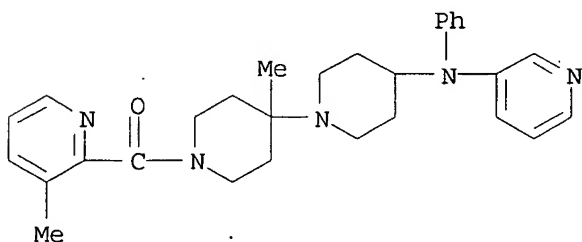
RN 678974-71-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-difluorobenzoyl)-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



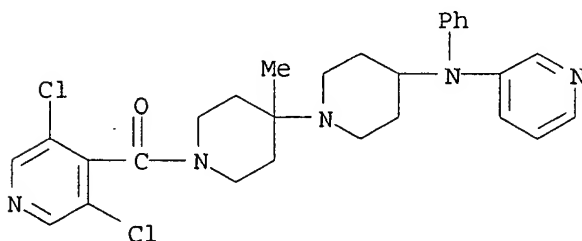
RN 678974-72-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-[(3-methyl-2-pyridinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 678974-73-7 CAPLUS

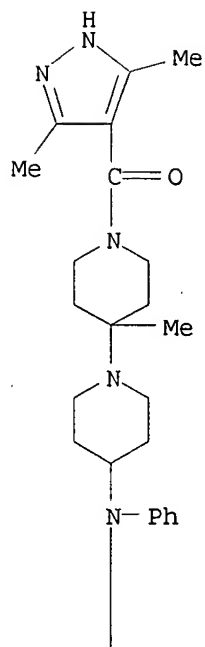
CN [1,4'-Bipiperidin]-4-amine, 1'-[(3,5-dichloro-4-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



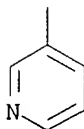
RN 678974-74-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(3,5-dimethyl-1H-pyrazol-4-yl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)

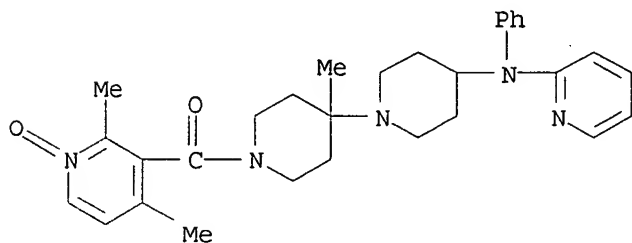
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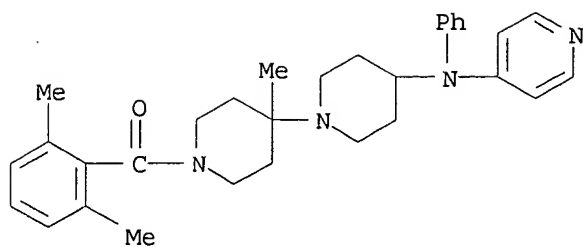
PAGE 2-A



RN 678974-75-9 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)

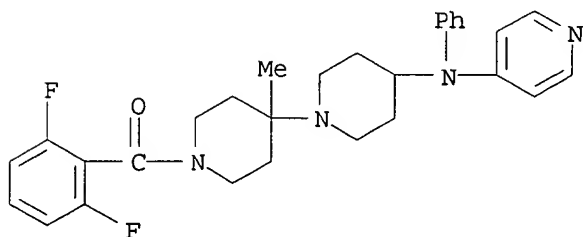


RN 678974-76-0 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



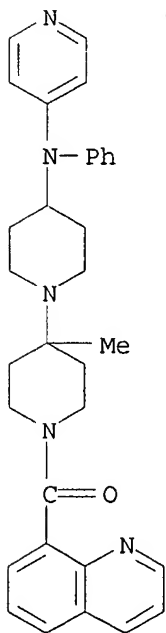
RN 678974-77-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-difluorobenzoyl)-4'-methyl-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



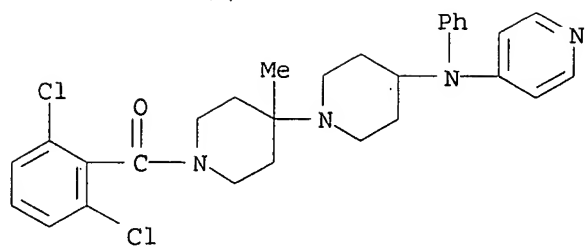
RN 678974-78-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N-phenyl-N-4-pyridinyl-1'-(8-quinolinylcarbonyl)- (9CI) (CA INDEX NAME)



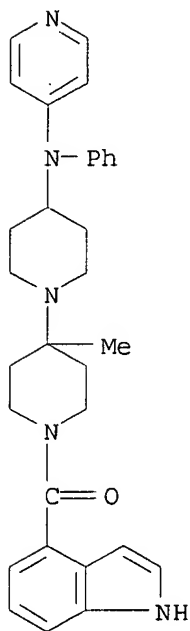
RN 678974-79-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dichlorobenzoyl)-4'-methyl-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



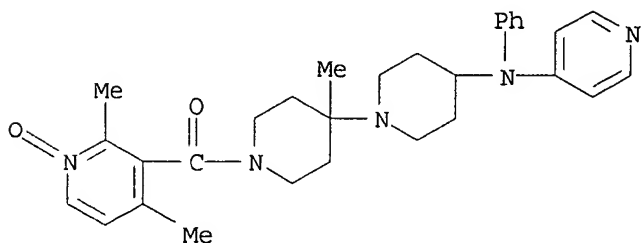
RN 678974-80-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--(1H-indol-4-ylcarbonyl)-4'-methyl-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



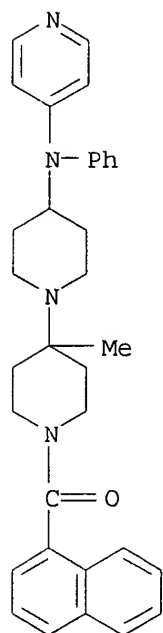
RN 678974-81-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



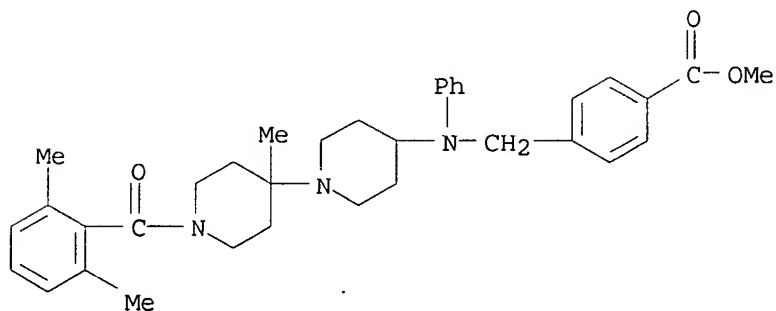
RN 678974-82-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'--(1-naphthalenylcarbonyl)-N-phenyl-N-4-pyridinyl- (9CI) (CA INDEX NAME)



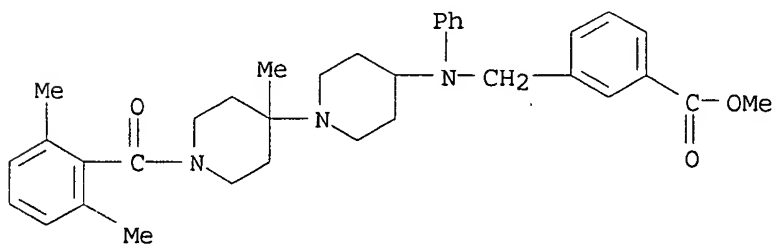
RN 678974-83-9 CAPLUS

CN Benzoic acid, 4-[[[1'-(2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl]phenylamino]methyl]-, methyl ester (9CI) (CA INDEX NAME)



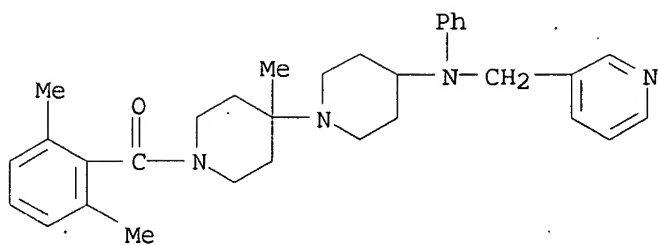
RN 678974-84-0 CAPLUS

CN Benzoic acid, 3-[[[1'-(2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl]phenylamino]methyl]-, methyl ester (9CI) (CA INDEX NAME)



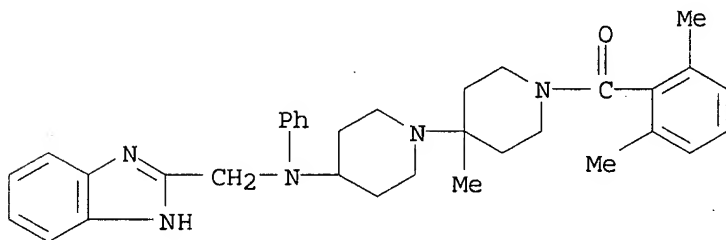
RN 678974-85-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



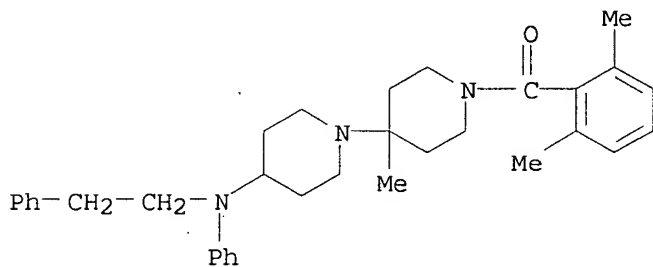
RN 678974-86-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(1H-benzimidazol-2-ylmethyl)-1'-(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



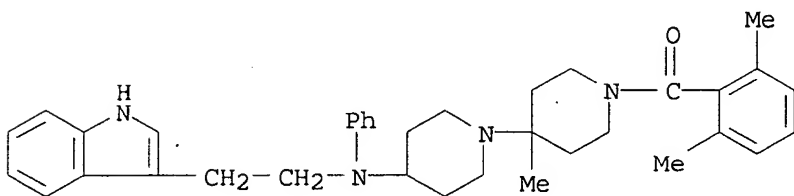
RN 678974-87-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl-N-(2-phenylethyl)- (9CI) (CA INDEX NAME)



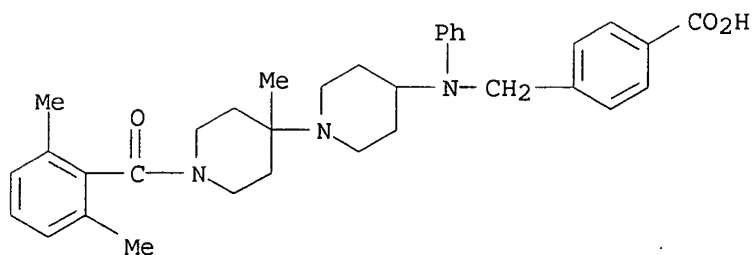
RN 678974-88-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-N-[2-(1H-indol-3-yl)ethyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



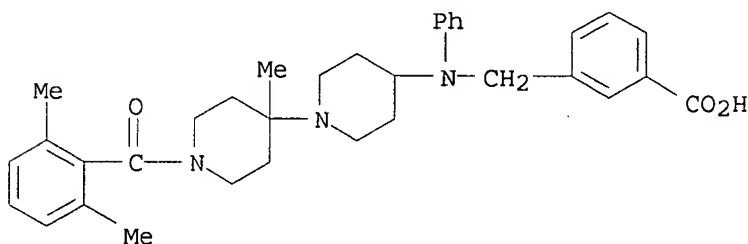
RN 678974-89-5 CAPLUS

CN Benzoic acid, 4-[[[1'-(2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl]phenylamino]methyl]- (9CI) (CA INDEX NAME)



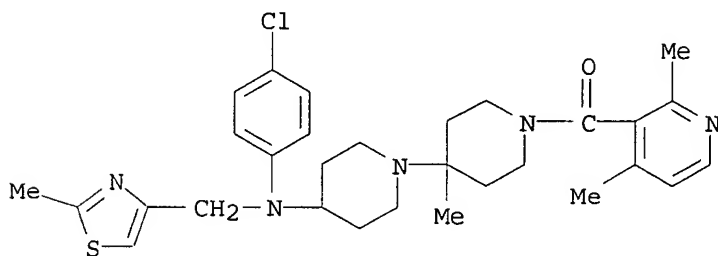
RN 678974-90-8 CAPLUS

CN Benzoic acid, 3-[[[1'-(2,6-dimethylbenzoyl)-4'-methyl[1,4'-bipiperidin]-4-yl]phenylamino]methyl]- (9CI) (CA INDEX NAME)



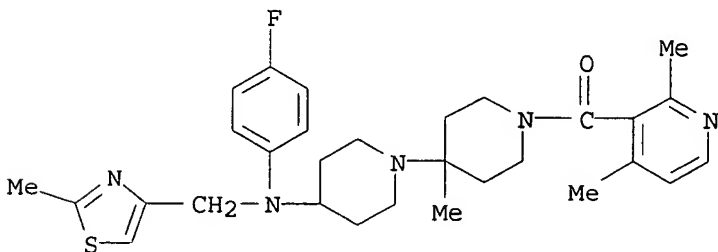
RN 678974-91-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-chlorophenyl)-1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



RN 678974-92-0 CAPLUS

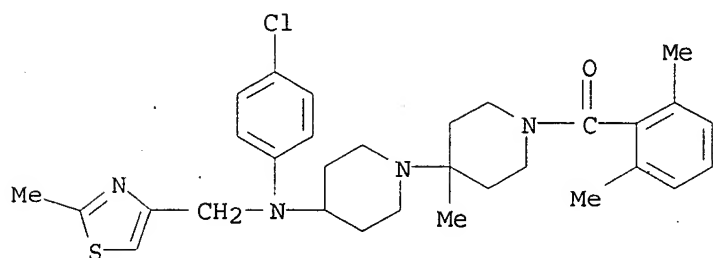
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-N-(4-fluorophenyl)-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



RN 678974-93-1 CAPLUS

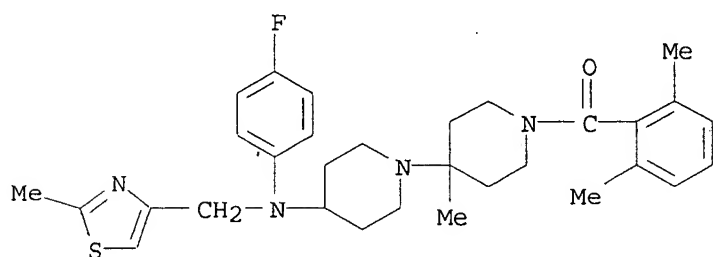
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methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



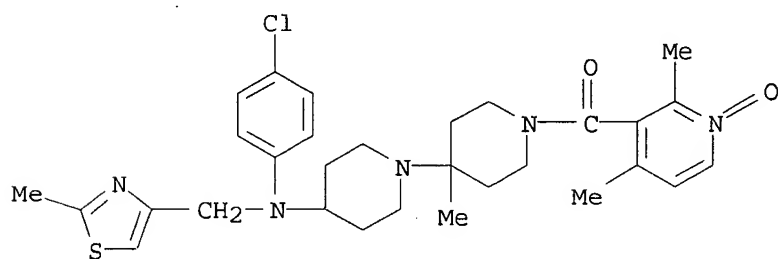
RN 678974-94-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-N-(4-fluorophenyl)-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



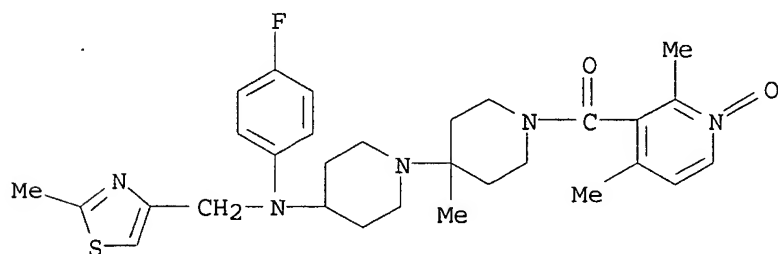
RN 678974-95-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-chlorophenyl)-1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



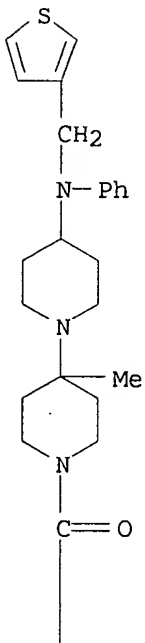
RN 678974-96-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-N-(4-fluorophenyl)-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)

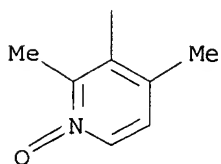


RN 678974-97-5 CAPLUS
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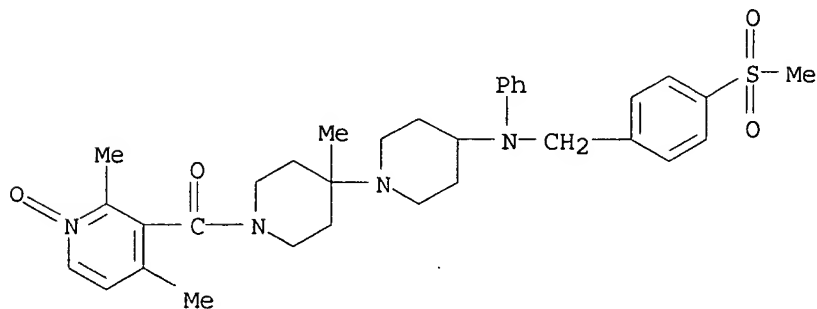
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PAGE 2-A

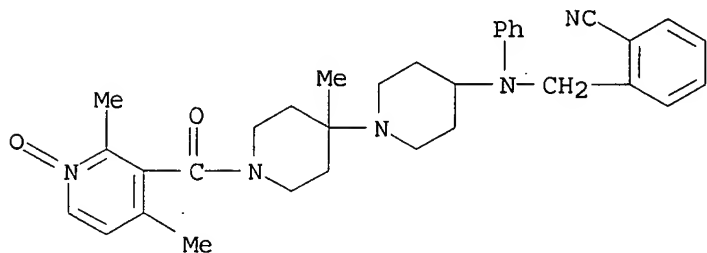


RN 678974-98-6 CAPLUS
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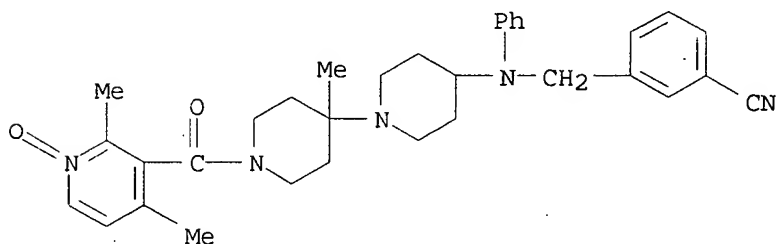
RN 678974-99-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[(2-cyanophenyl)methyl]-1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



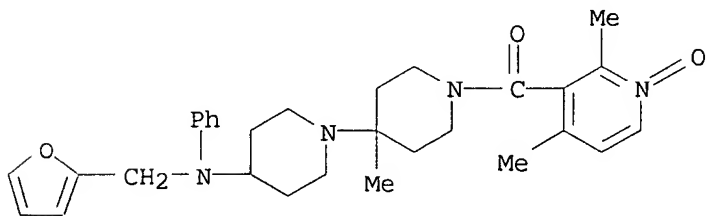
RN 678975-00-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[(3-cyanophenyl)methyl]-1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



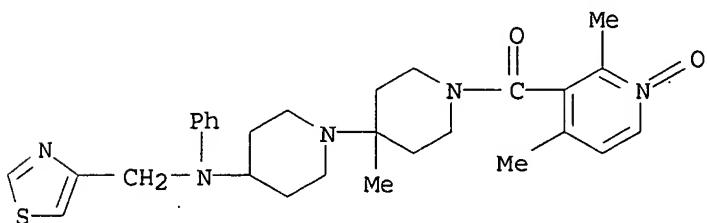
RN 678975-01-4 CAPLUS

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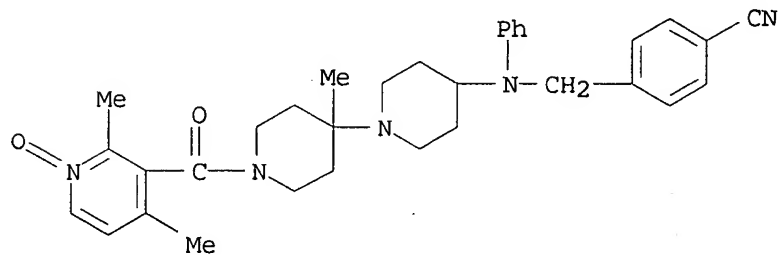


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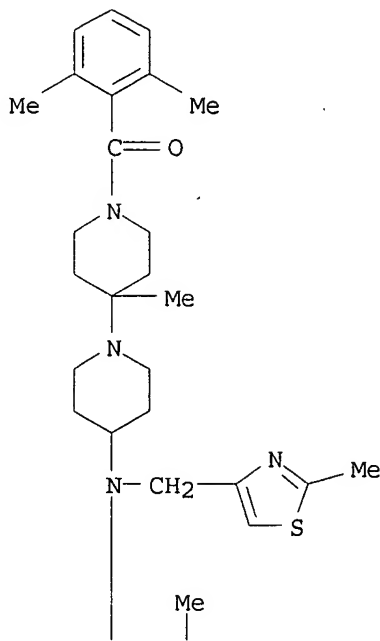
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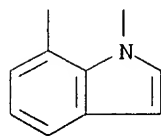
RN 678975-03-6 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, N-[(4-cyanophenyl)methyl]-1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



RN 678975-04-7 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-4'-methyl-N-(1-methyl-1H-indol-7-yl)-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)

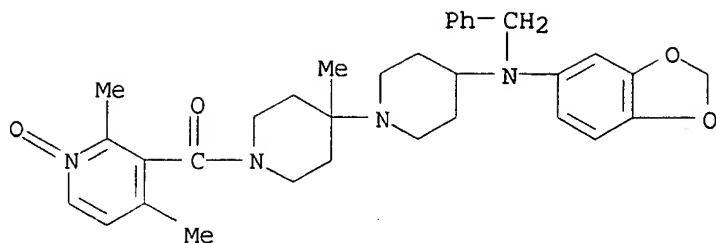


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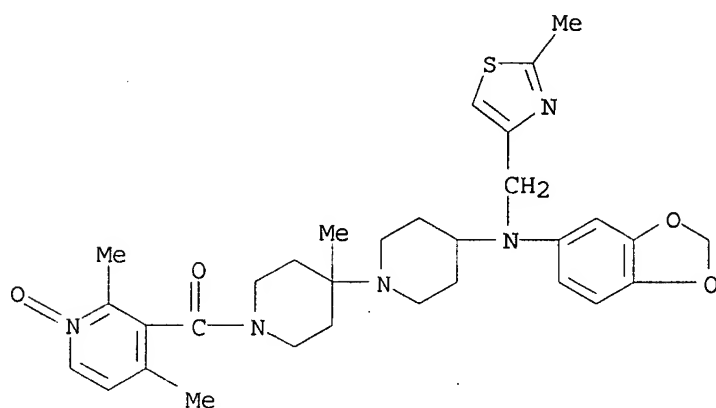
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RN 678975-05-8 CAPLUS
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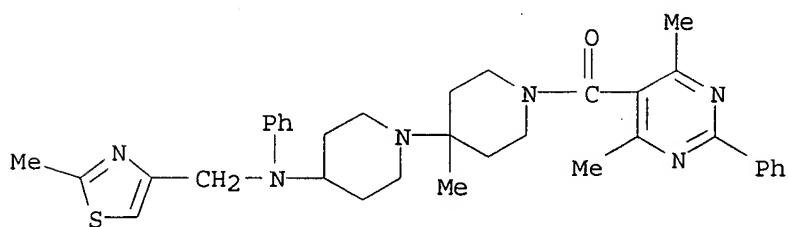
RN 678975-06-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-1,3-benzodioxol-5-yl-1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]-
(9CI) (CA INDEX NAME)



RN 678975-07-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-2-phenyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]-N-phenyl-
(9CI) (CA INDEX NAME)



REFERENCE COUNT:

4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:196486 CAPLUS

DOCUMENT NUMBER: 140:368098

TITLE: Orally Bioavailable Competitive CCR5 Antagonists

AUTHOR(S): Thoma, Gebhard; Nuninger, Francois; Schaefer, Marc; Akyel, Kayhan G.; Albert, Rainer; Beerli, Christian; Bruns, Christian; Francotte, Eric; Luyten, Marcel; MacKenzie, Duncan; Oberer, Lukas; Streiff, Markus B.; Wagner, Trixie; Walter, Hansrudolf; Weckbecker, Gisbert; Zerwes, Hans-Guenter

CORPORATE SOURCE: Novartis Institutes for BioMedical Research, Basel, CH-4056, Switz.

SOURCE: Journal of Medicinal Chemistry (2004), 47(8), 1939-1955

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 140:368098

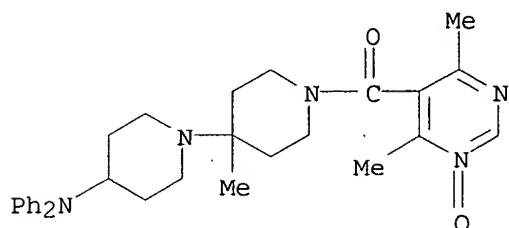
IT 470689-27-1P

RL: BSU (Biological study, unclassified); PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(orally bioavailable competitive CCR5 antagonists)

RN 470689-27-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-1-oxido-5-pyrimidinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



IT 470689-12-4P 470689-21-5P 470689-23-7P

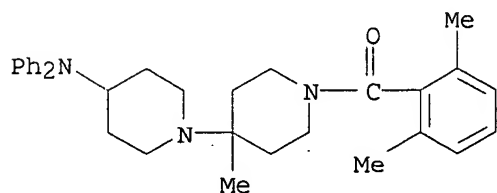
470689-26-0P 470689-65-7P

RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(orally bioavailable competitive CCR5 antagonists)

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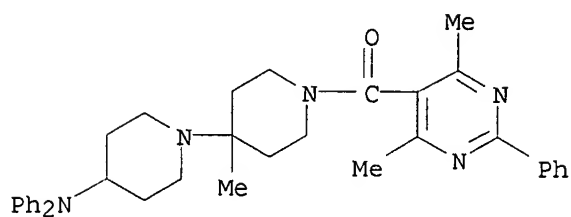
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RN 470689-21-5 CAPLUS

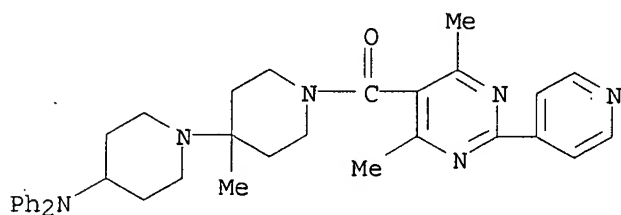
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-2-phenyl-5-

pyrimidinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



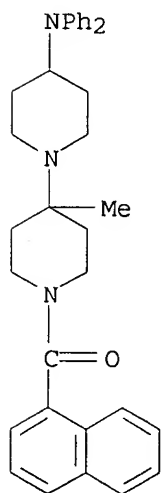
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CN [1,4'-Bipiperidin]-4-amine, 1'--[[4,6-dimethyl-2-(4-pyridinyl)-5-pyrimidinyl]carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



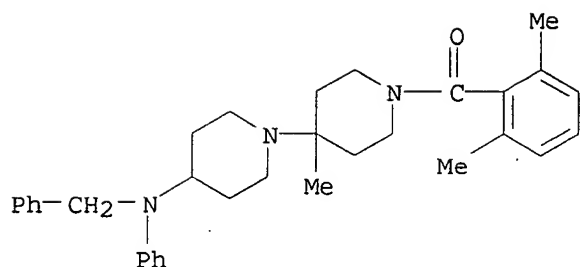
RN 470689-26-0 CAPLUS

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RN 470689-65-7 CAPLUS

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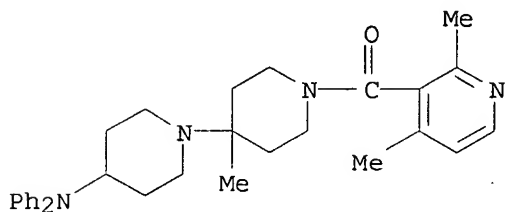


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 470689-46-4P 470689-64-6P 470689-95-3P
 678974-99-7P 678975-00-3P 678975-03-6P
 685530-73-8P 685530-78-3P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (orally bioavailable competitive CCR5 antagonists)

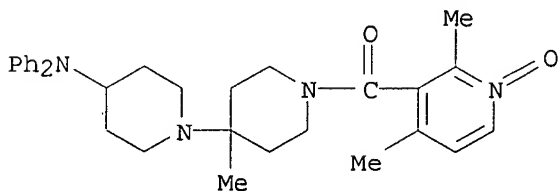
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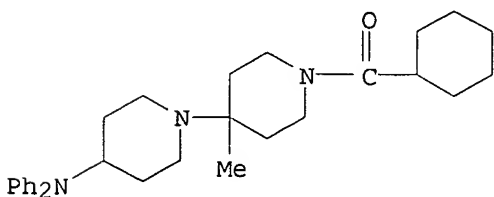
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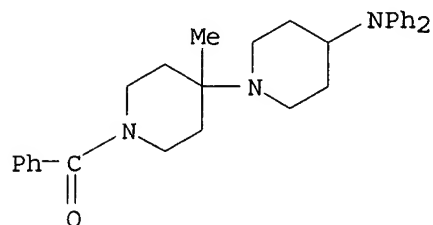


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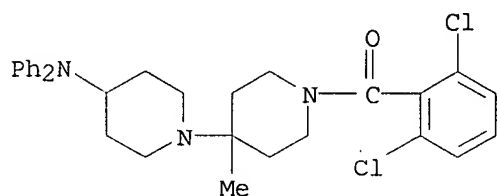
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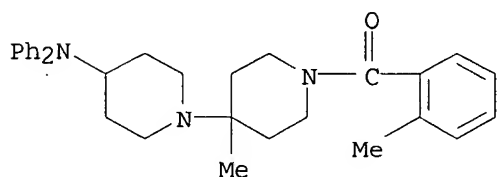
RN 470689-16-8 CAPLUS
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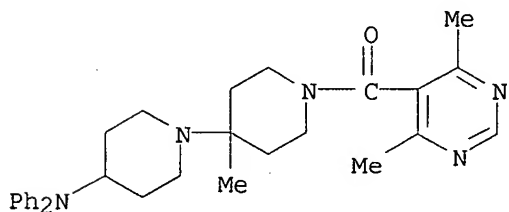
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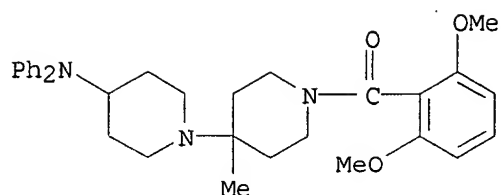
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 CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-(2-methylbenzoyl)-N,N-diphenyl- (9CI) (CA INDEX NAME)



RN 470689-20-4 CAPLUS
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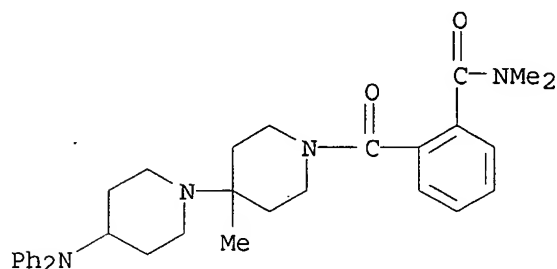


RN 470689-22-6 CAPLUS
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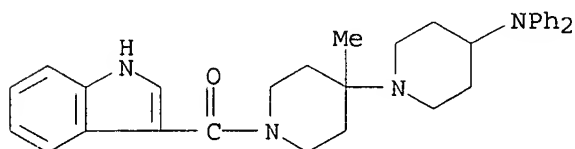
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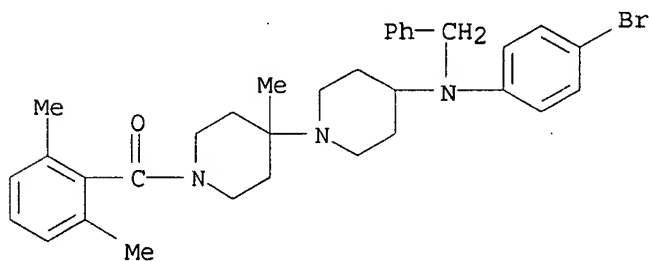
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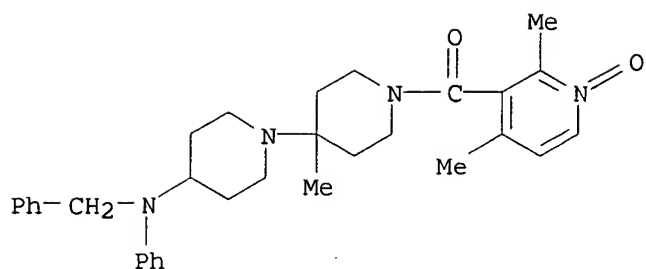
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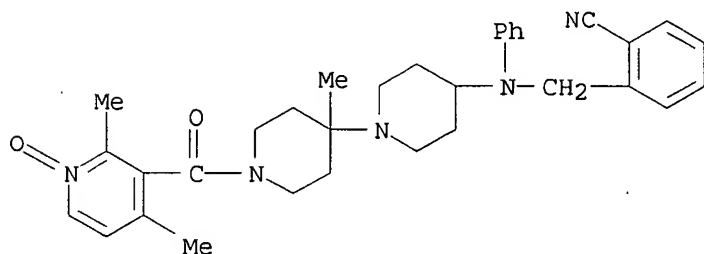
RN 470689-95-3 CAPLUS

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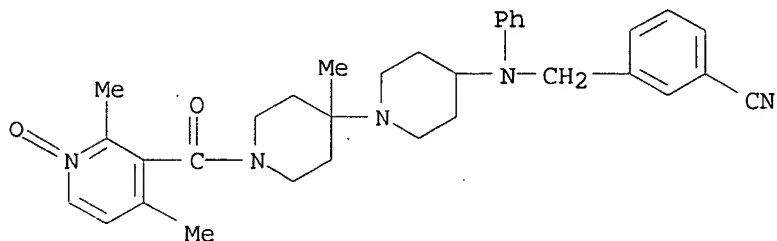
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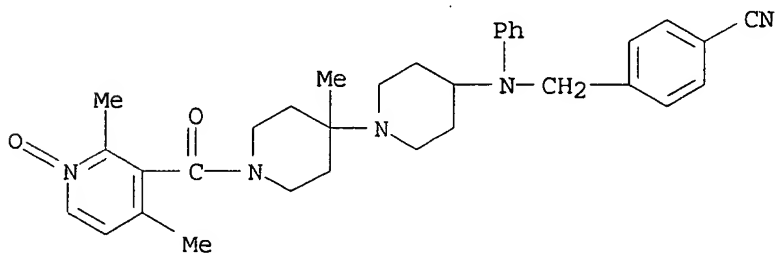
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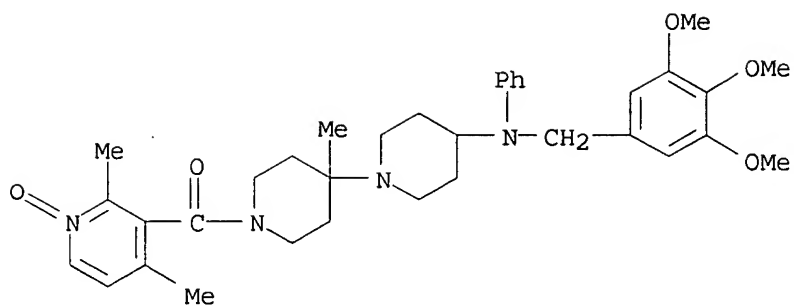
RN 678975-03-6 CAPLUS

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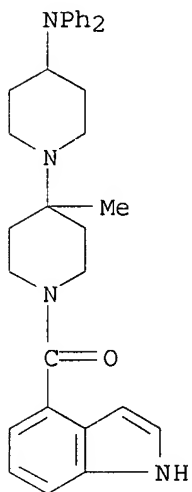
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RN 685530-78-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(1H-indol-4-ylcarbonyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

54

THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:202634 CAPLUS
DOCUMENT NUMBER: 138:238191
TITLE: Preparation of 1-[1-(pyrimidin-5-ylcarbonyl)piperidin-4-yl]piperidin-4-amines as CCR5 antagonists
INVENTOR(S): Palani, Anandan; Miller, Michael W.; Scott, Jack D.
PATENT ASSIGNEE(S): Schering Corporation, USA
SOURCE: PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003020716	A1	20030313	WO 2002-US27389	20020828
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VC, VN, YU, ZA, ZM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2457861	AA	20030313	CA 2002-2457861	20020828
US 2004010008	A1	20040115	US 2002-229466	20020828
EP 1421075	A1	20040526	EP 2002-766142	20020828
EP 1421075	B1	20060607		
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CN 1551877	A	20041201	CN 2002-816679	20020828
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ZA 2004001594	A	20041124	ZA 2004-1594	20040225
NO 2004001266	A	20040326	NO 2004-1266	20040326
PRIORITY APPLN. INFO.:			US 2001-315683P	P 20010829
			US 2002-229466	A3 20020828
			WO 2002-US27389	W 20020828

OTHER SOURCE(S): MARPAT 138:238191

IT 470689-20-4P 501445-50-7P 501445-51-8P
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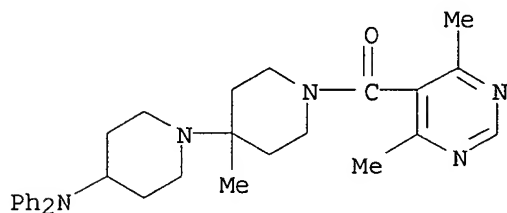
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 501446-90-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 1-[1-(pyrimidin-5-ylcarbonyl)piperidin-4-yl]piperidin-4-amines as CCR5 antagonists)

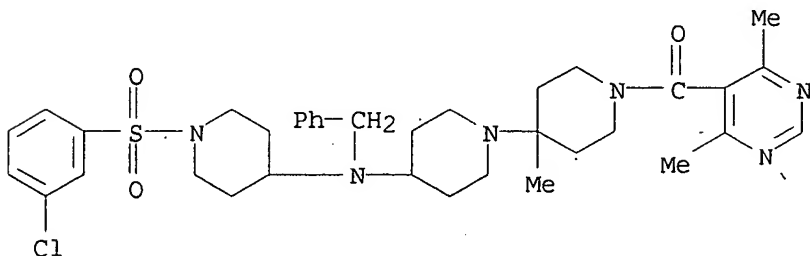
RN 470689-20-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



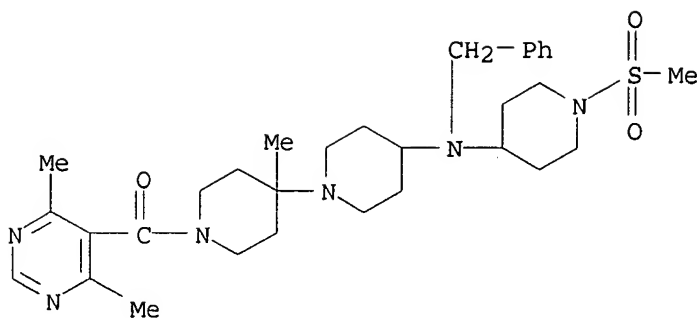
RN 501445-50-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-[(3-chlorophenyl)sulfonyl]-4-piperidinyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



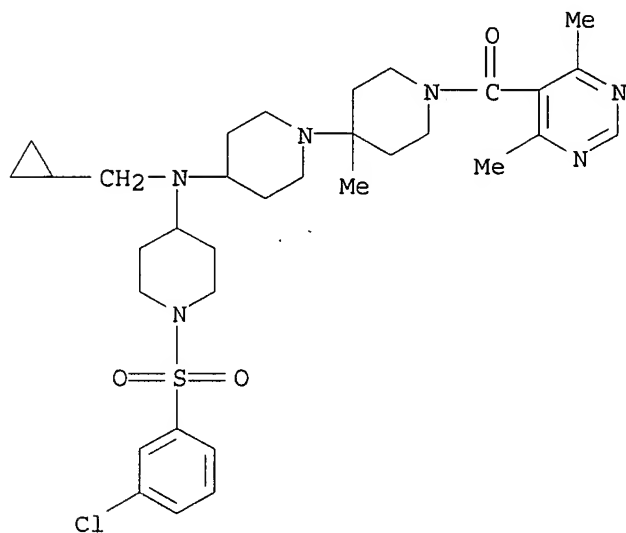
RN 501445-51-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[1-(methylsulfonyl)-4-piperidinyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



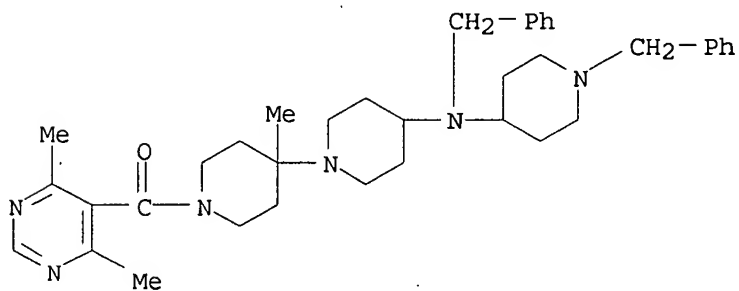
RN 501445-52-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-[(3-chlorophenyl)sulfonyl]-4-piperidinyl]-N-(cyclopropylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



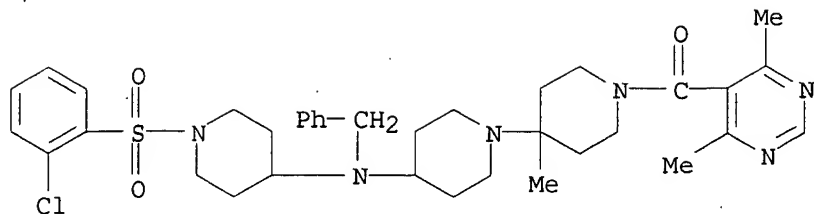
RN 501445-53-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[1-(phenylmethyl)-4-piperidinyl]- (9CI) (CA INDEX NAME)



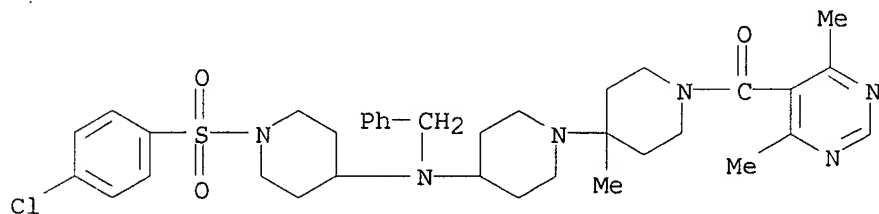
RN 501445-54-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-[(2-chlorophenyl)sulfonyl]-4-piperidinyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



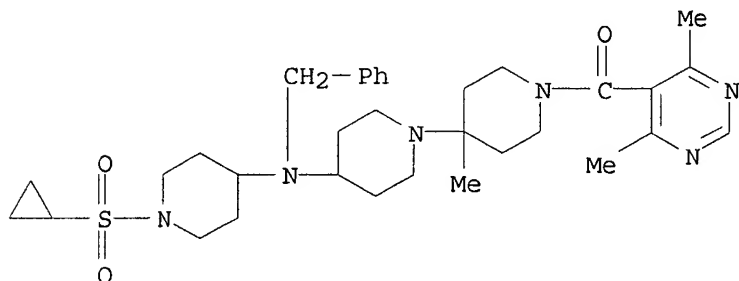
RN 501445-55-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-[(4-chlorophenyl)sulfonyl]-4-piperidinyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



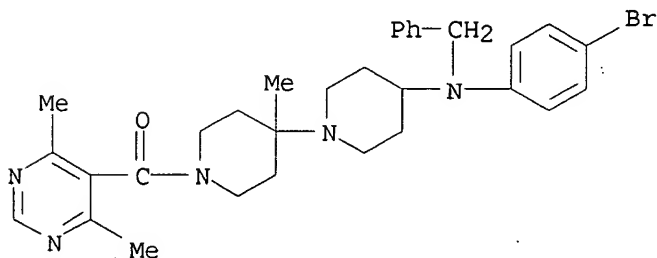
RN 501445-56-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-(cyclopropylsulfonyl)-4-piperidinyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



RN 501445-57-4 CAPLUS

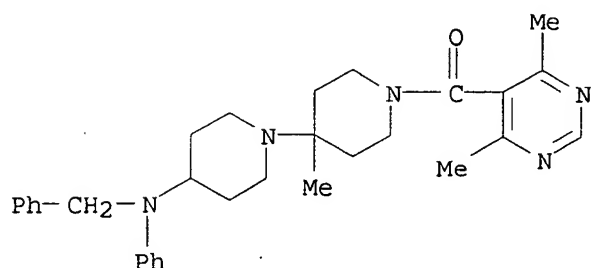
CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



RN 501445-58-5 CAPLUS

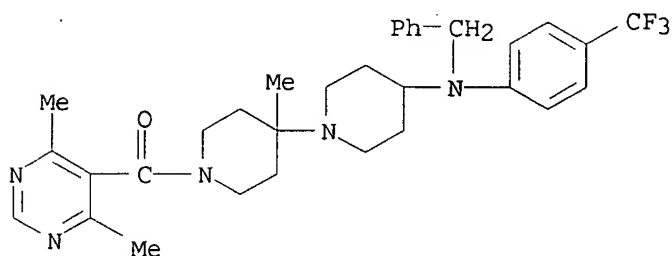
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-

methyl-N-phenyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



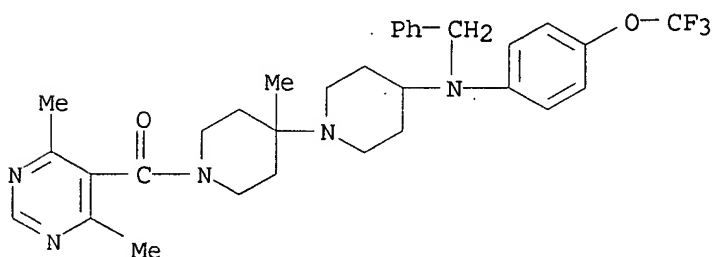
RN 501445-59-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



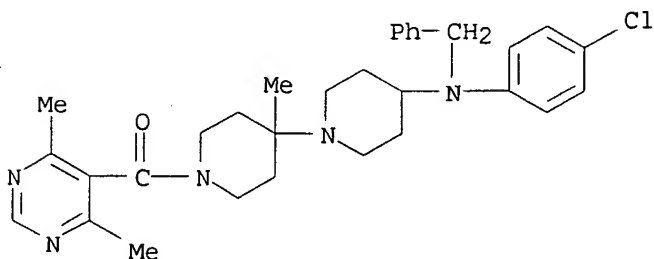
RN 501445-60-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



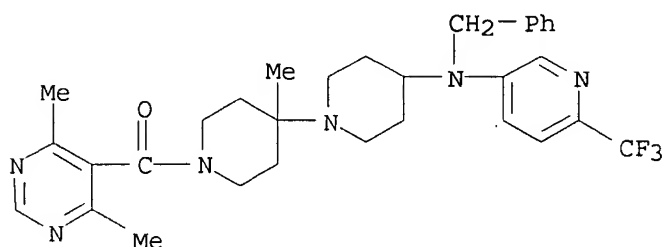
RN 501445-61-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-chlorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



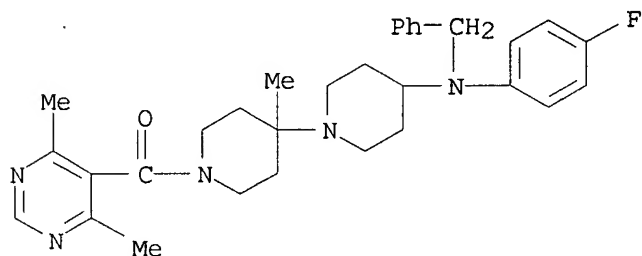
RN 501445-62-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[6-(trifluoromethyl)-3-pyridinyl]- (9CI) (CA INDEX NAME)



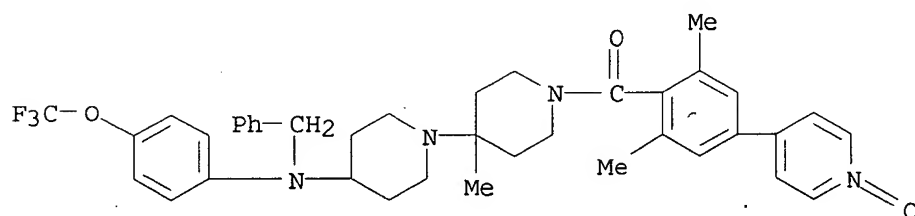
RN 501445-63-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-fluorophenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



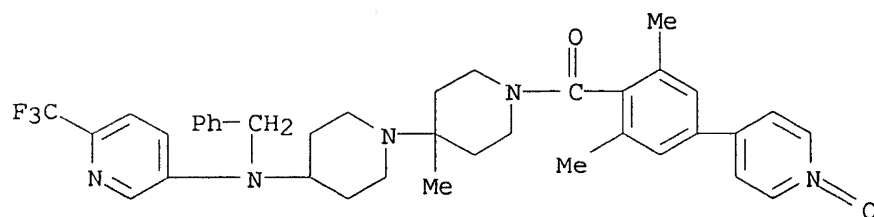
RN 501445-64-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[2,6-dimethyl-4-(1-oxido-4-pyridinyl)benzoyl]-4'-methyl-N-(phenylmethyl)-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



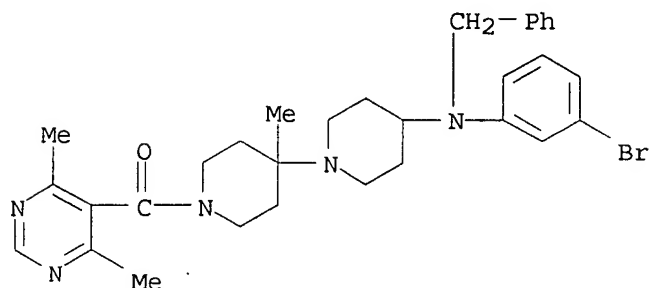
RN 501445-65-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[2,6-dimethyl-4-(1-oxido-4-pyridinyl)benzoyl]-4'-methyl-N-(phenylmethyl)-N-[6-(trifluoromethyl)-3-pyridinyl]- (9CI) (CA INDEX NAME)



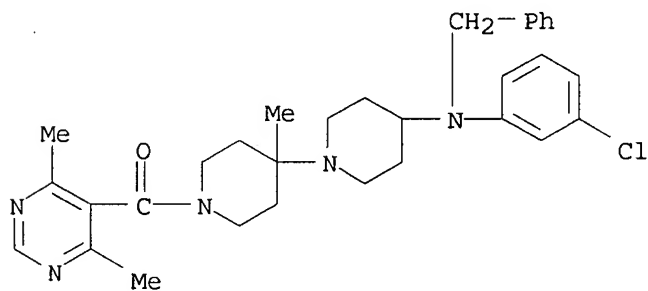
RN 501445-66-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-bromophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



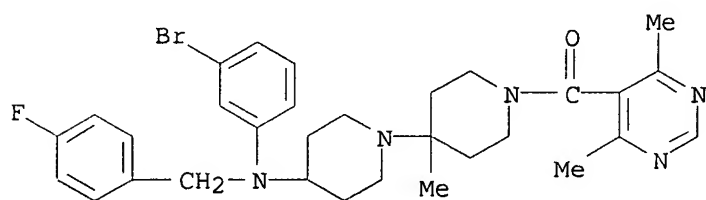
RN 501445-67-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-chlorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



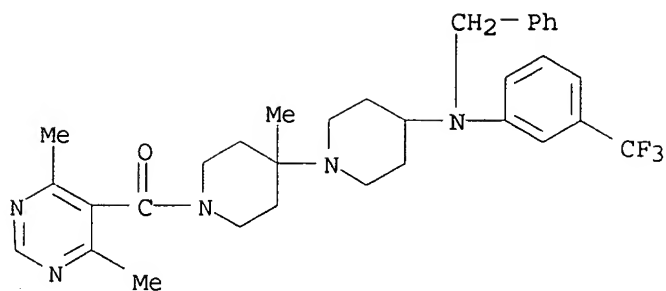
RN 501445-68-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-bromophenyl)-N-[(4-fluorophenyl)methyl]-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



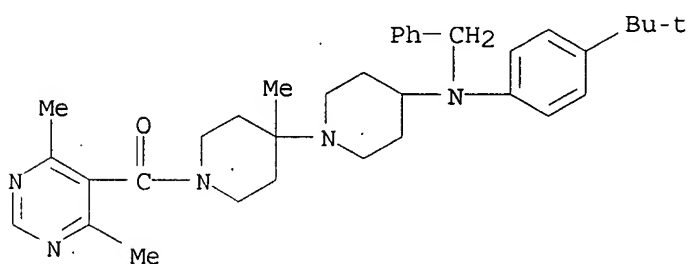
RN 501445-69-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



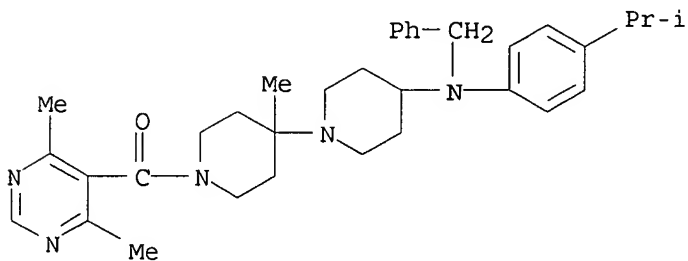
RN 501445-70-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-(1,1-dimethylethyl)phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



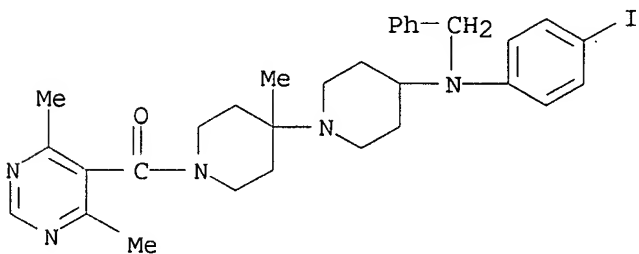
RN 501445-71-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(1-methylethyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



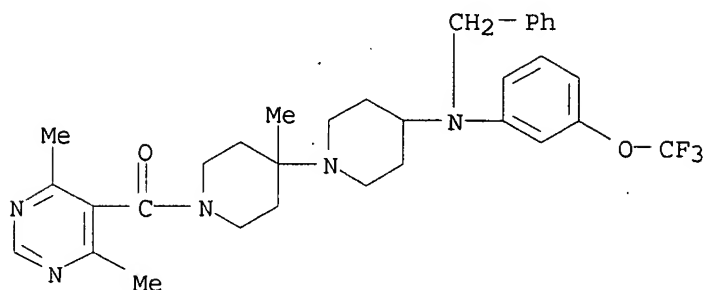
RN 501445-72-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-iodophenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



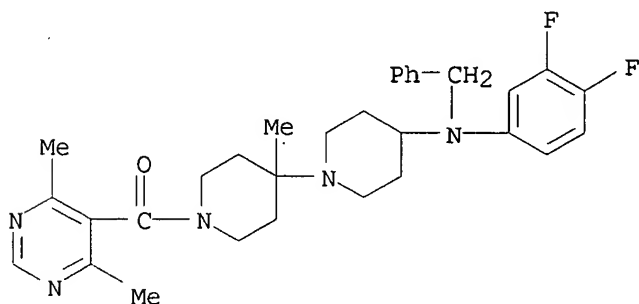
RN 501445-74-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[3-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



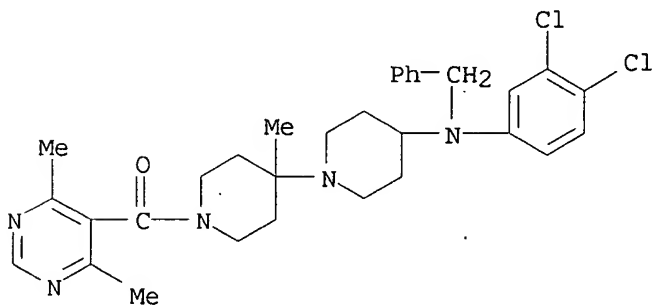
RN 501445-76-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,4-difluorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



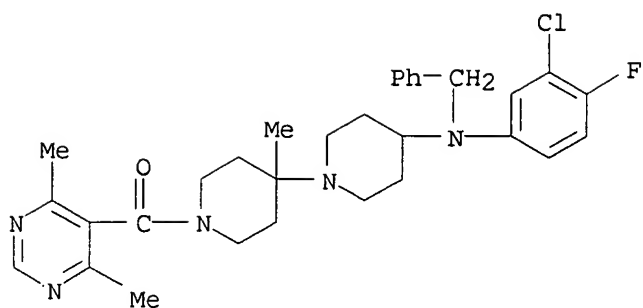
RN 501445-78-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,4-dichlorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



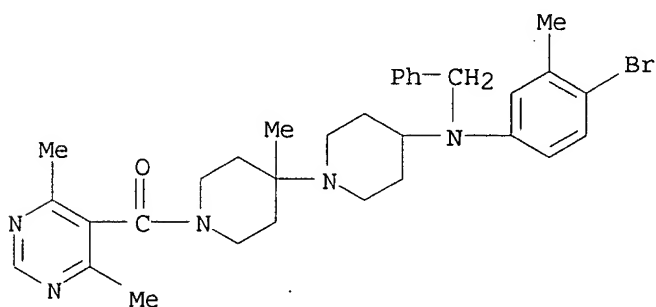
RN 501445-79-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-chloro-4-fluorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



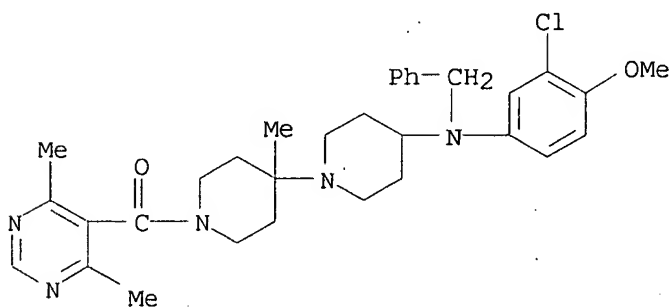
RN 501445-80-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromo-3-methylphenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



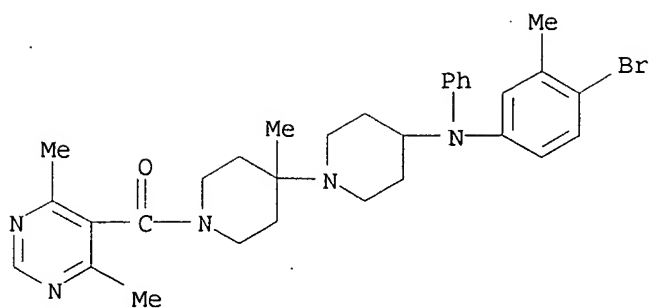
RN 501445-81-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-chloro-4-methoxyphenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



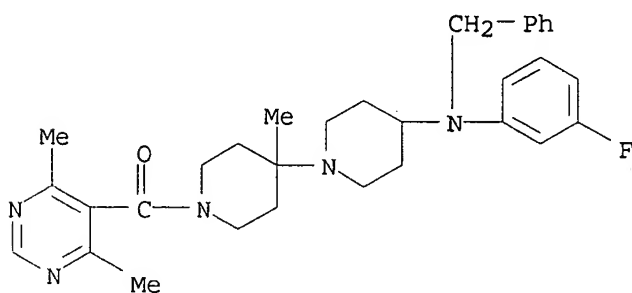
RN 501445-82-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromo-3-methylphenyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



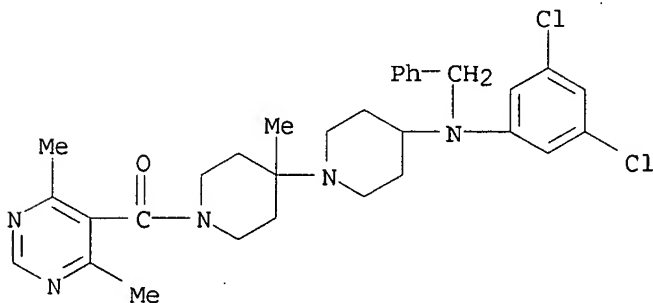
RN 501445-83-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(3-fluorophenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



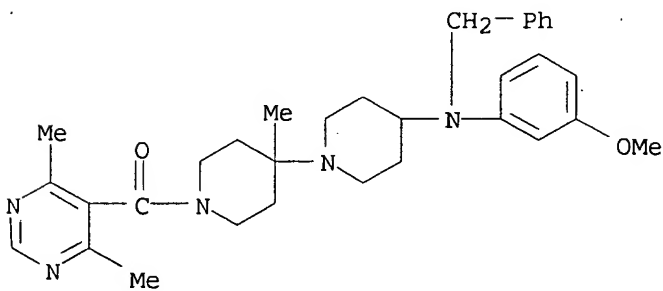
RN 501445-84-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,5-dichlorophenyl)-N-(phenylmethyl)-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



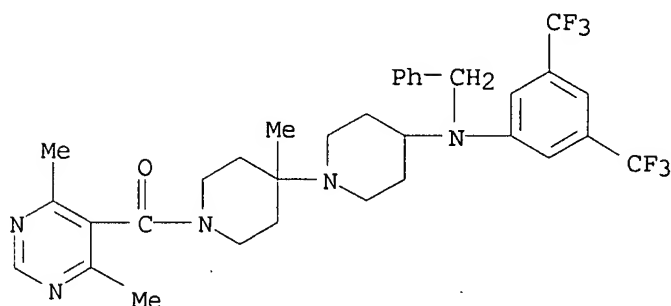
RN 501445-85-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(3-methoxyphenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



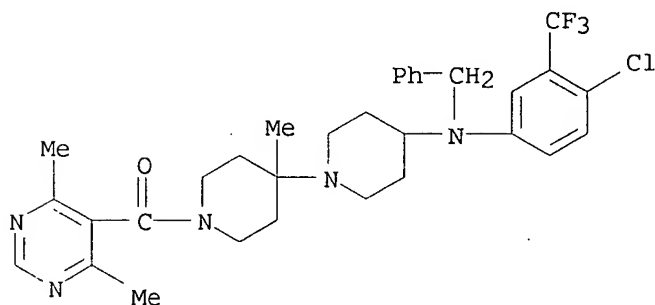
RN 501445-86-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[3,5-bis(trifluoromethyl)phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI)
(CA INDEX NAME)



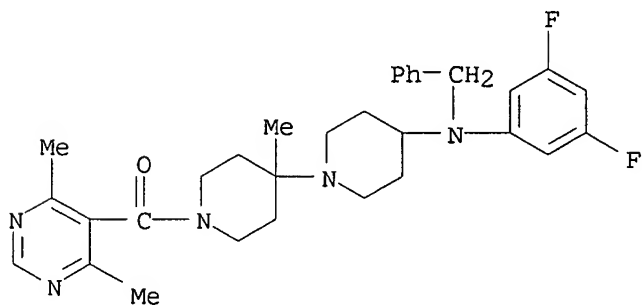
RN 501445-87-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-chloro-3-(trifluoromethyl)phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI)
(CA INDEX NAME)



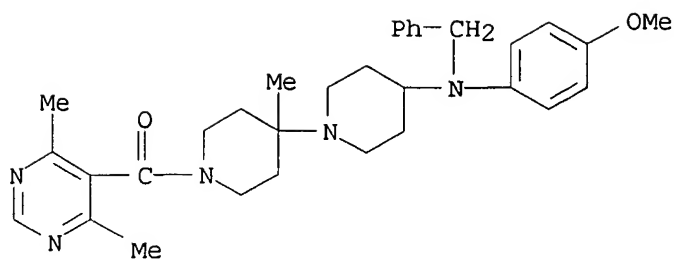
RN 501445-88-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,5-difluorophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



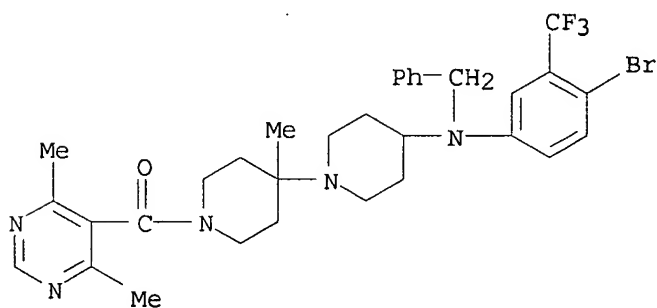
RN 501445-89-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-methoxyphenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



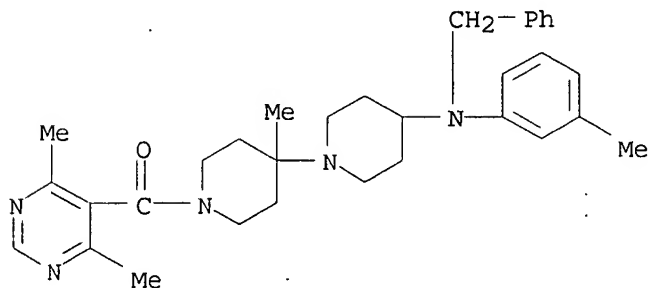
RN 501445-90-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-bromo-3-(trifluoromethyl)phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI)
(CA INDEX NAME)



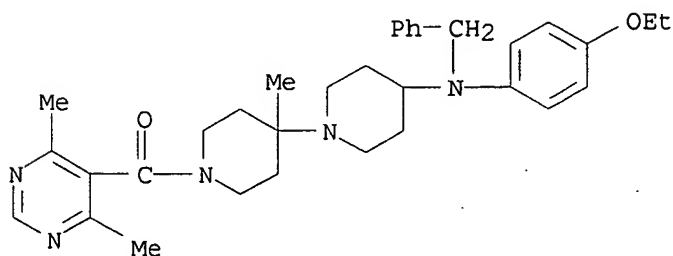
RN 501445-91-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(3-methylphenyl)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



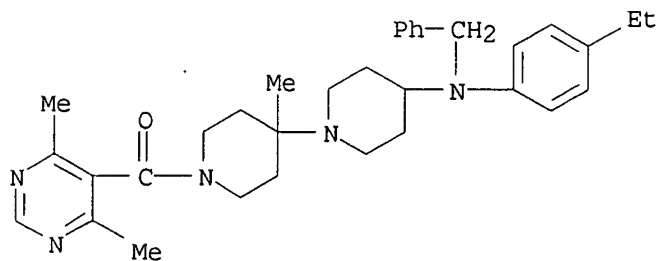
RN 501445-92-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-ethoxyphenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



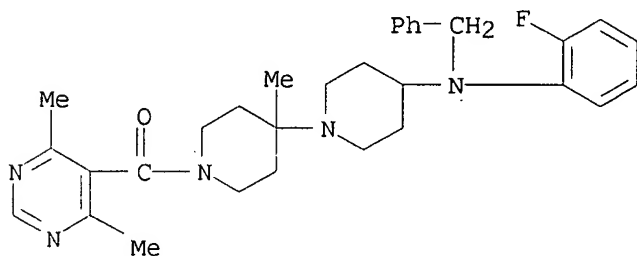
RN 501445-93-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-ethylphenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



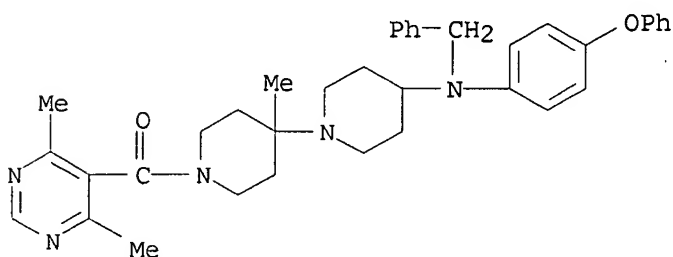
RN 501445-94-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(2-fluorophenyl)-N-(phenylmethyl)-4'-methyl- (9CI) (CA INDEX NAME)



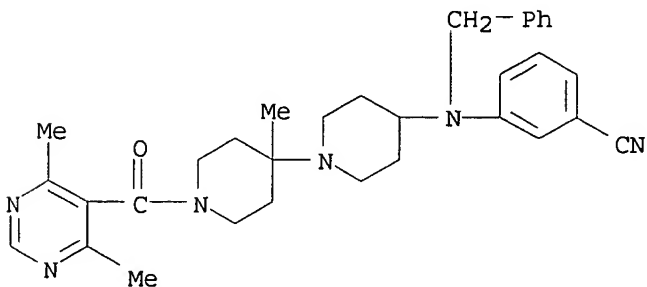
RN 501445-95-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(4-phenoxyphenyl)-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



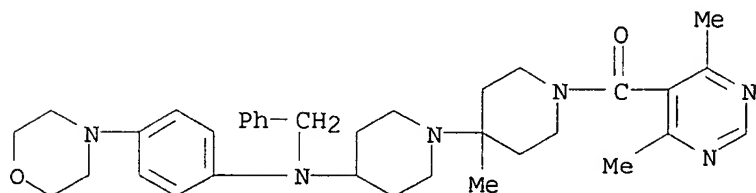
RN 501445-96-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-cyanophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



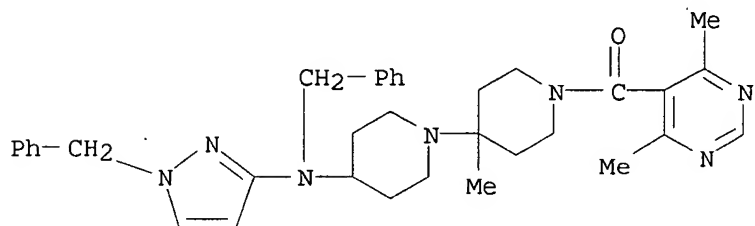
RN 501445-97-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(4-morpholinyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



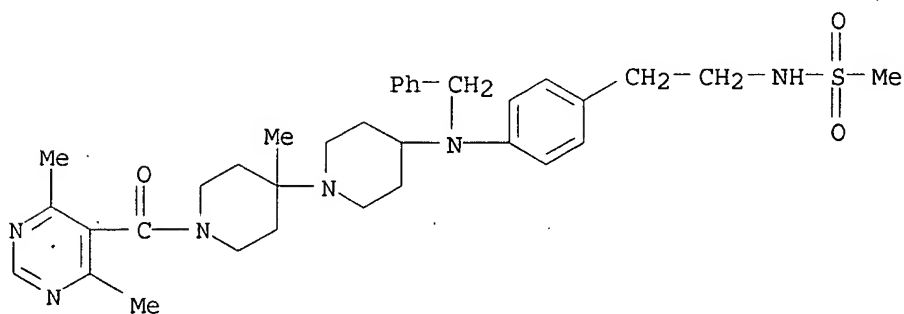
RN 501445-98-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[1-(phenylmethyl)-1H-pyrazol-3-yl]- (9CI) (CA INDEX NAME)



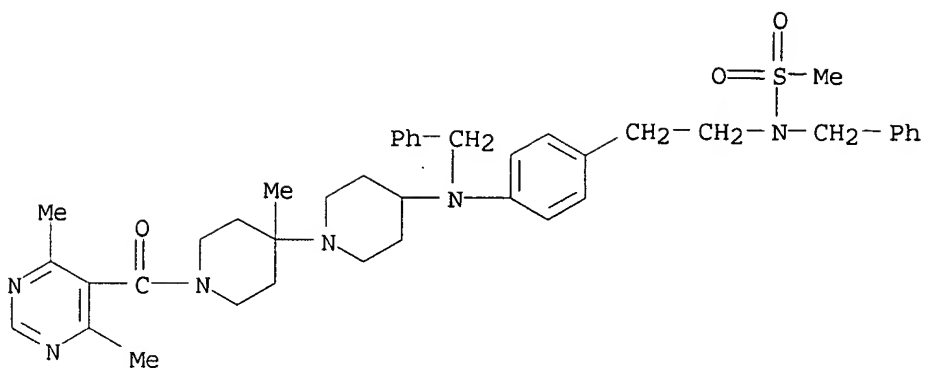
RN 501445-99-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[2-[(methylsulfonyl)amino]ethyl]phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



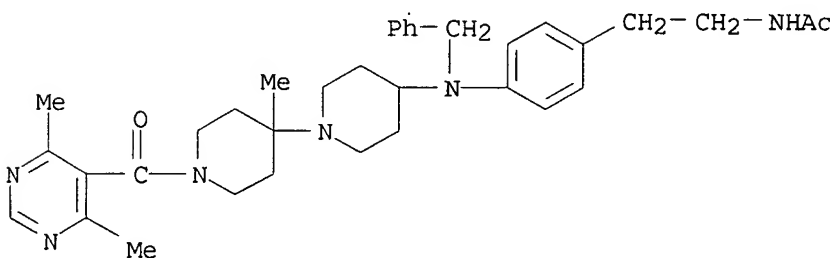
RN 501446-00-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-[2-[(methylsulfonyl)(phenylmethyl)amino]ethyl]phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



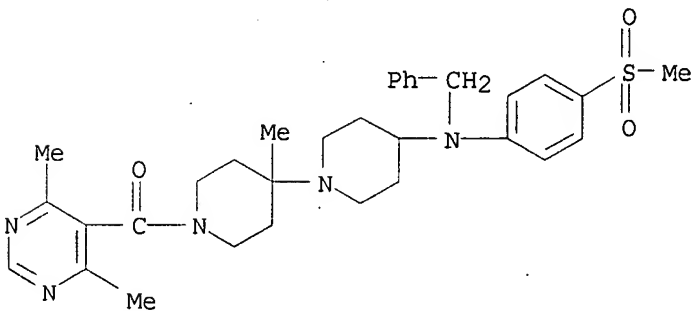
RN 501446-01-1 CAPLUS

CN Acetamide, N-[2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]phenyl]ethyl]- (9CI)
(CA INDEX NAME)



RN 501446-02-2 CAPLUS

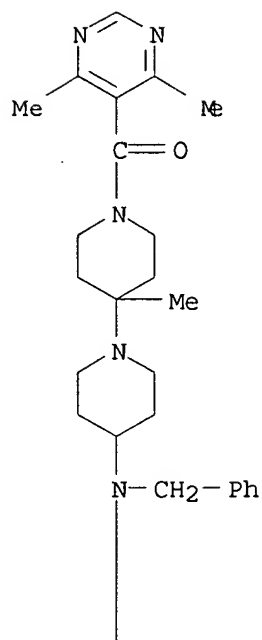
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[4-(methylsulfonyl)phenyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



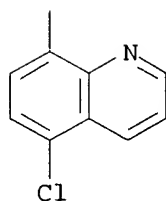
RN 501446-03-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(5-chloro-8-quinolinyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

PAGE 1-A

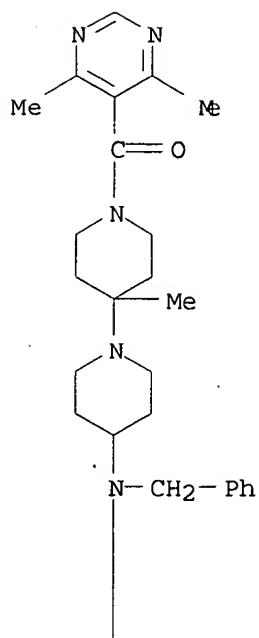


PAGE 2-A

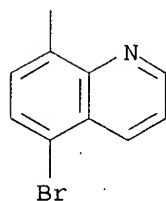


RN 501446-04-4 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, N-(5-bromo-8-quinolinyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

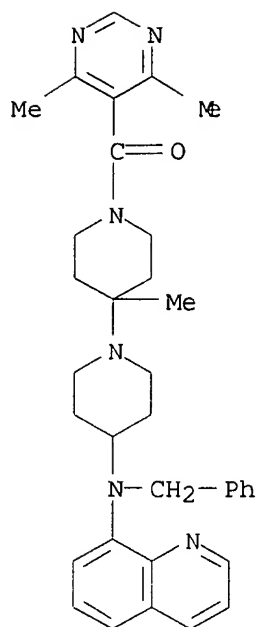
PAGE 1-A



PAGE 2-A

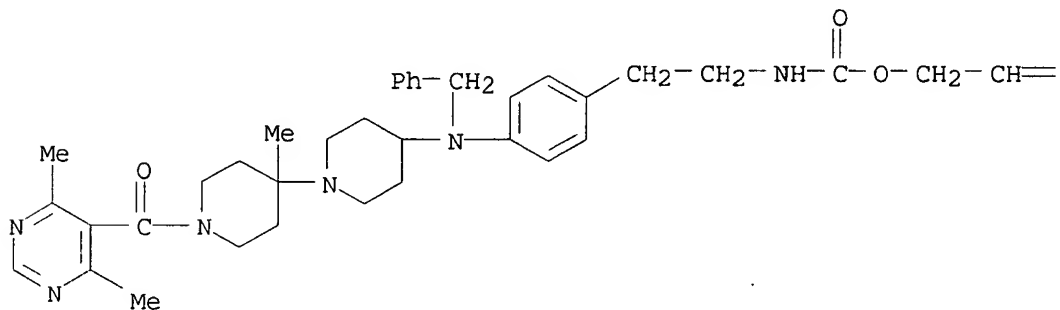


RN 501446-05-5 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-8-quinolinyl- (9CI) (CA INDEX NAME)



RN 501446-06-6 CAPLUS
 CN Carbamic acid, [2-[4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl] (phenylmethyl)amino]phenyl]ethyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)

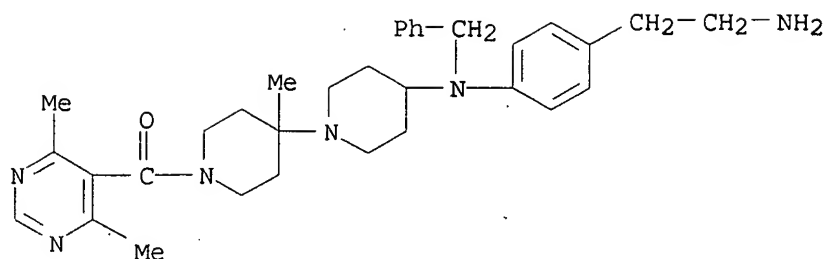
PAGE 1-A



PAGE 1-B

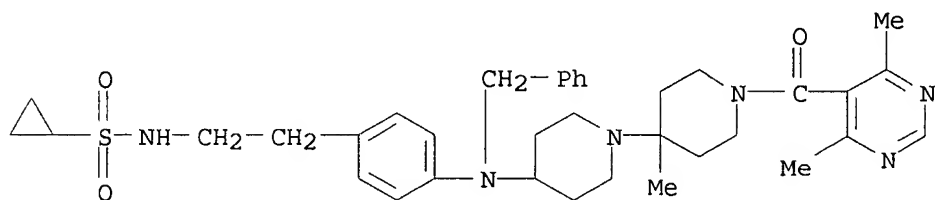
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RN 501446-07-7 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, N-[4-(2-aminoethyl)phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



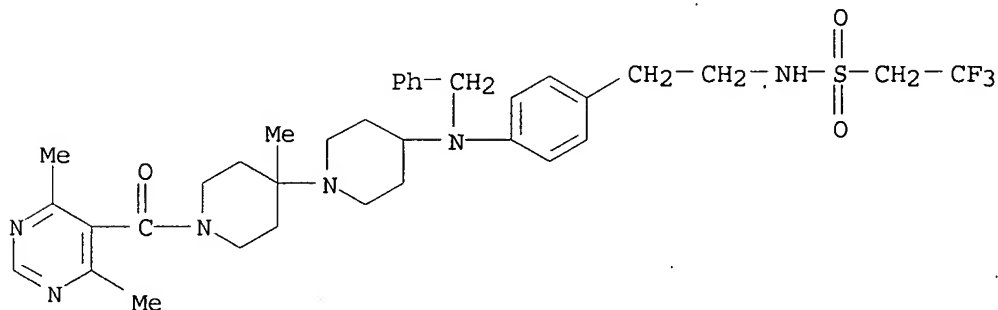
RN 501446-08-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-[2-[(cyclopropylsulfonyl)amino]ethyl]phenyl]-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



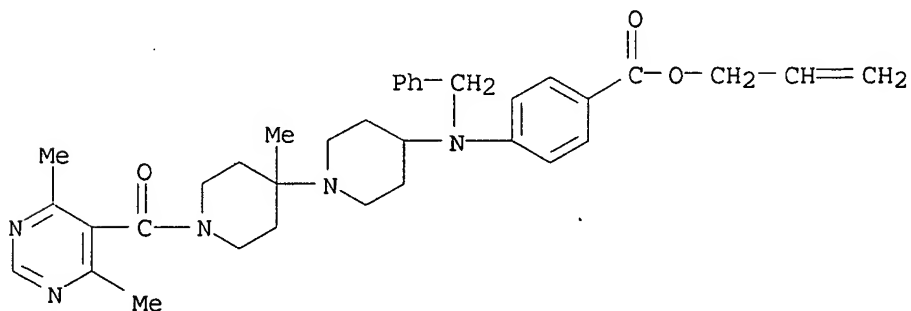
RN 501446-09-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-[4-[2-[(2,2,2-trifluoroethyl)sulfonyl]amino]ethyl]phenyl]- (9CI) (CA INDEX NAME)



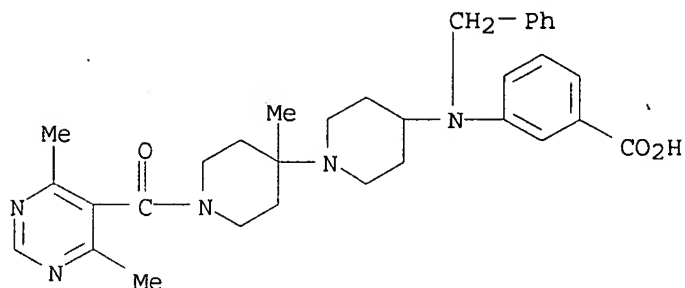
RN 501446-10-2 CAPLUS

CN Benzoic acid, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-, 2-propenyl ester (9CI) (CA INDEX NAME)



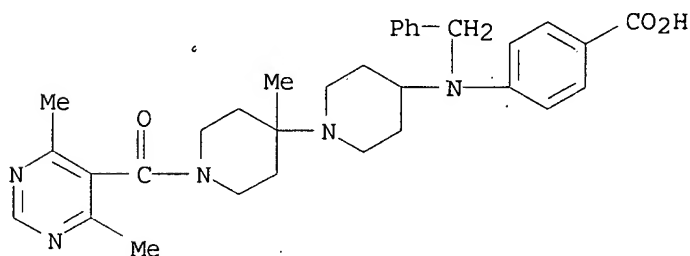
RN 501446-11-3 CAPLUS

CN Benzoic acid, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)



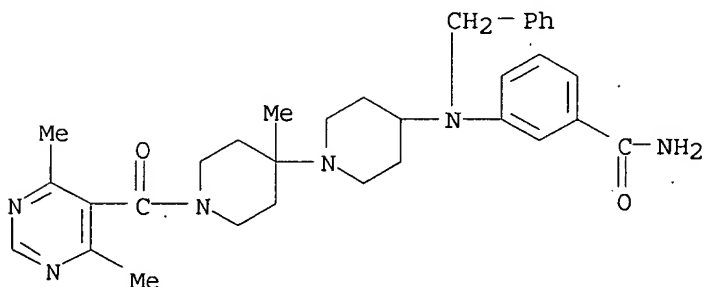
RN 501446-12-4 CAPLUS

CN Benzoic acid, 4-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)



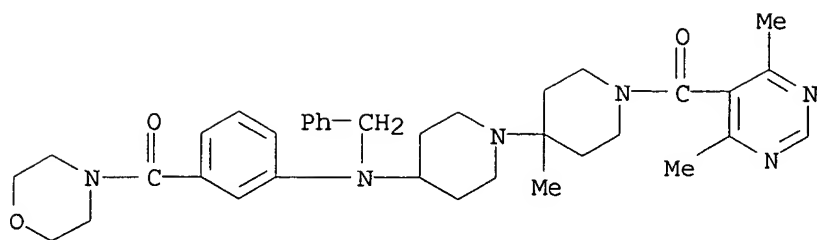
RN 501446-13-5 CAPLUS

CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]- (9CI) (CA INDEX NAME)



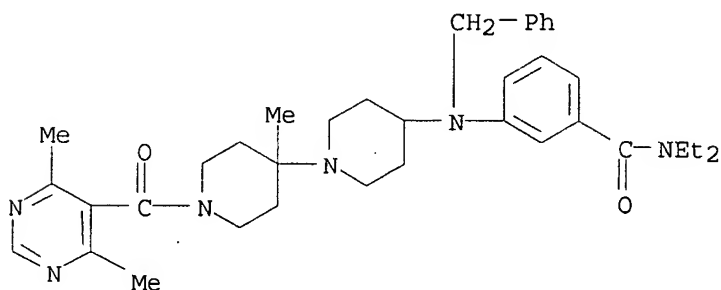
RN 501446-14-6 CAPLUS

CN Morpholine, 4-[3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]benzoyl]- (9CI) (CA INDEX NAME)



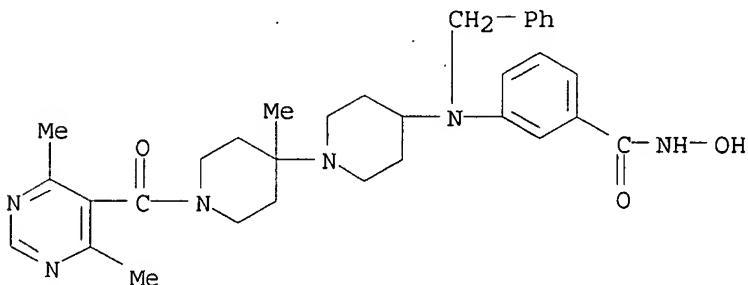
RN 501446-15-7 CAPLUS

CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-N,N-diethyl- (9CI) (CA INDEX NAME)



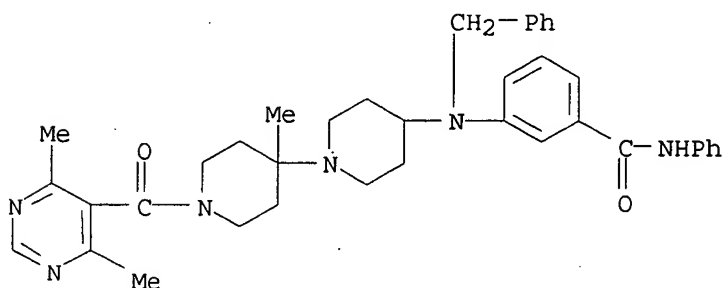
RN 501446-16-8 CAPLUS

CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-N-hydroxy- (9CI) (CA INDEX NAME)



RN 501446-17-9 CAPLUS

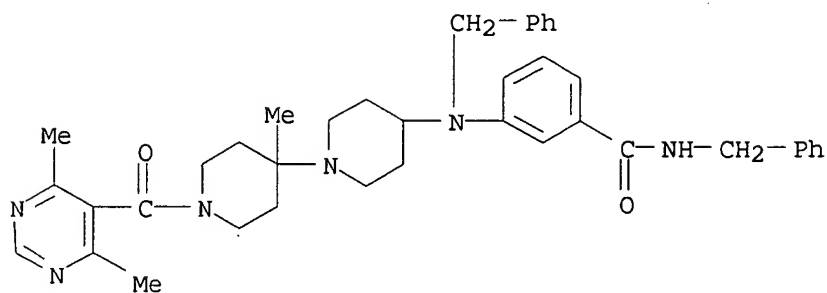
CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-N-phenyl- (9CI) (CA INDEX NAME)



RN 501446-18-0 CAPLUS

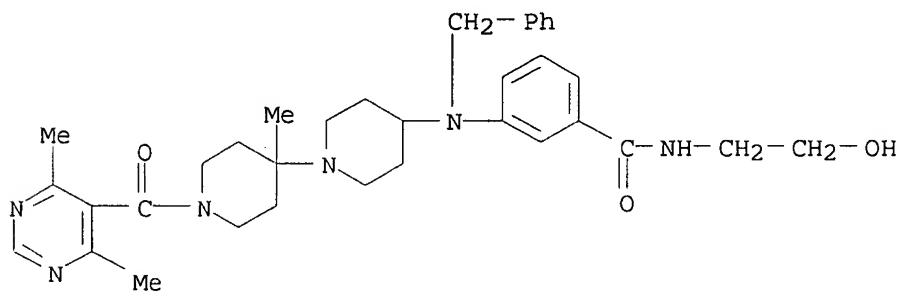
CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-

bipiperidin]-4-yl] (phenylmethyl)amino]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



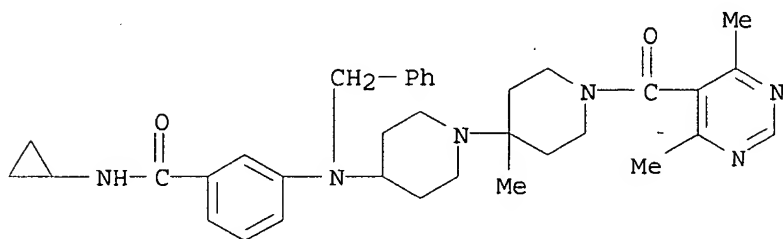
RN 501446-19-1 CAPLUS

CN Benzamide, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl] (phenylmethyl)amino]-N-(2-hydroxyethyl)- (9CI) (CA INDEX NAME)



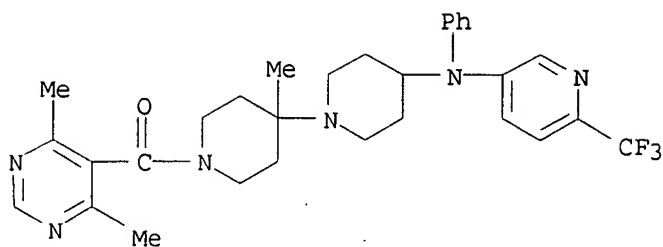
RN 501446-20-4 CAPLUS

CN Benzamide, N-cyclopropyl-3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl[1,4'-bipiperidin]-4-yl] (phenylmethyl)amino]- (9CI) (CA INDEX NAME)



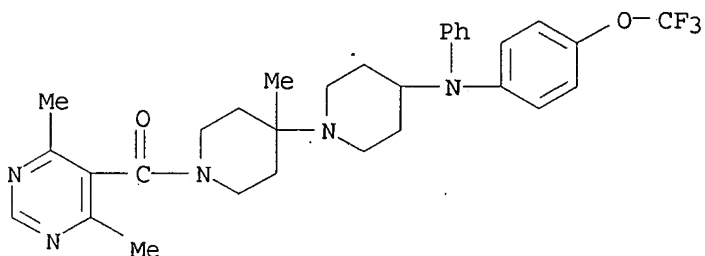
RN 501446-21-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-[6-(trifluoromethyl)-3-pyridinyl]- (9CI) (CA INDEX NAME)



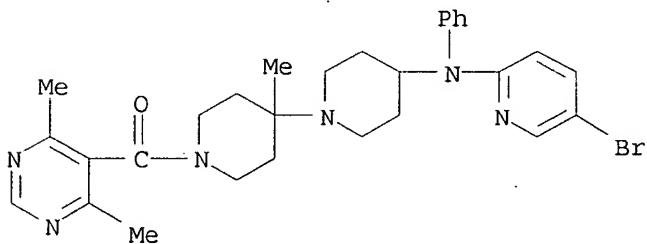
RN 501446-22-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



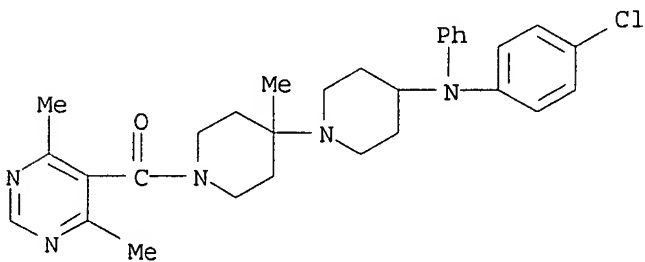
RN 501446-23-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(5-bromo-2-pyridinyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



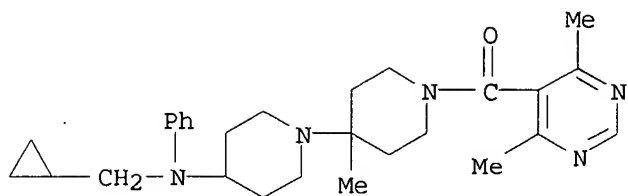
RN 501446-24-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-chlorophenyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



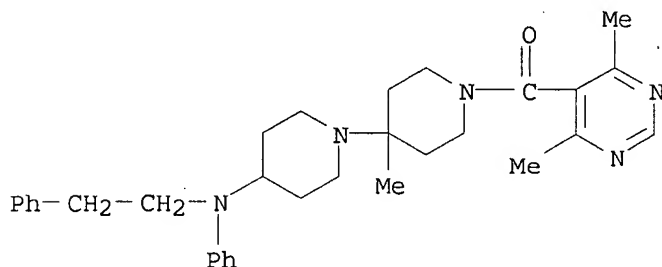
RN 501446-25-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(cyclopropylmethyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



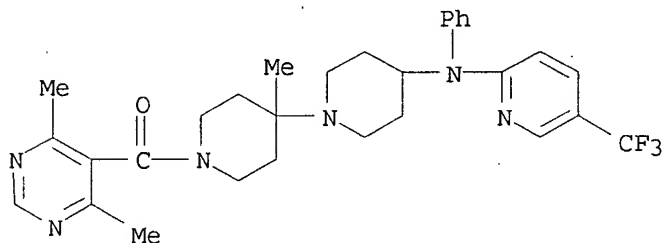
RN 501446-26-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-(2-phenylethyl)- (9CI) (CA INDEX NAME)



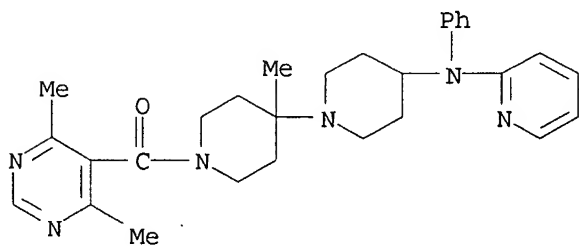
RN 501446-27-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-[5-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



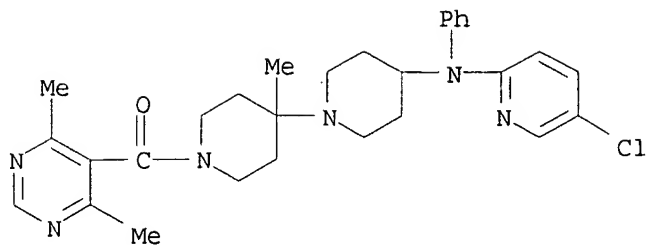
RN 501446-28-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-2-pyridinyl- (9CI) (CA INDEX NAME)



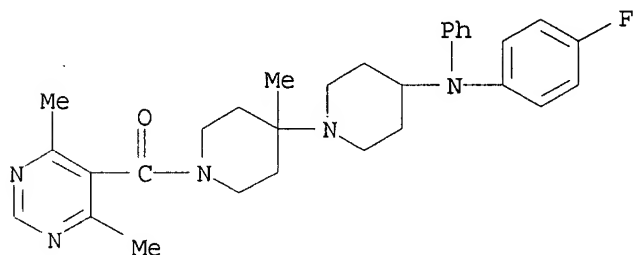
RN 501446-29-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(5-chloro-2-pyridinyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



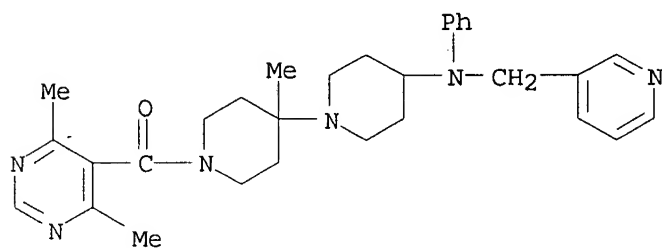
RN 501446-30-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-fluorophenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



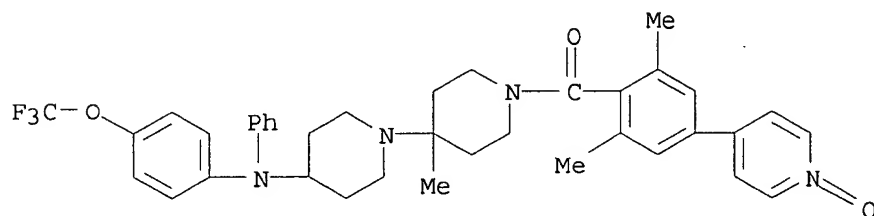
RN 501446-31-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 501446-32-8 CAPLUS

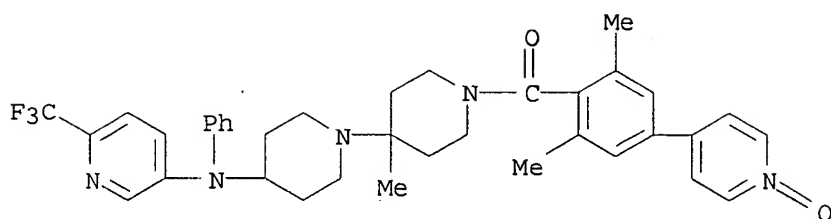
CN [1,4'-Bipiperidin]-4-amine, 1'--[2,6-dimethyl-4-(1-oxido-4'-pyridinyl)benzoyl]-4'-methyl-N-phenyl-N-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 501446-33-9 CAPLUS

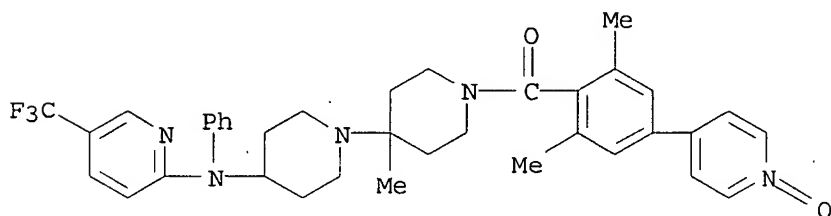
CN [1,4'-Bipiperidin]-4-amine, 1'--[2,6-dimethyl-4-(1-oxido-4'-pyridinyl)benzoyl]-4'-methyl-N-phenyl-N-[6-(trifluoromethyl)-3-pyridinyl]-

(9CI) (CA INDEX NAME)



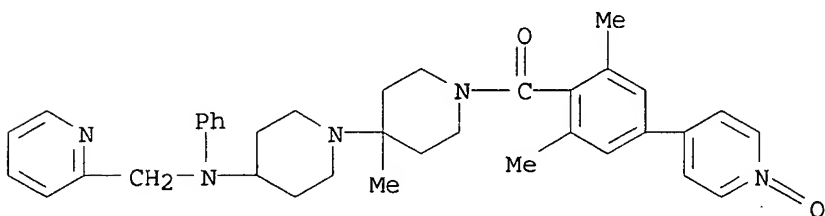
RN 501446-34-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[2,6-dimethyl-4-(1-oxido-4-pyridinyl)benzoyl]-4'-methyl-N-phenyl-N-[5-(trifluoromethyl)-2-pyridinyl]- (9CI) (CA INDEX NAME)



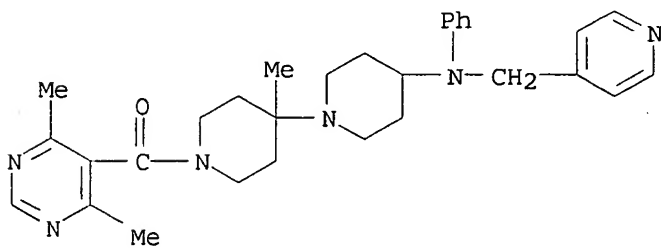
RN 501446-35-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[2,6-dimethyl-4-(1-oxido-4-pyridinyl)benzoyl]-4'-methyl-N-phenyl-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 501446-37-3 CAPLUS

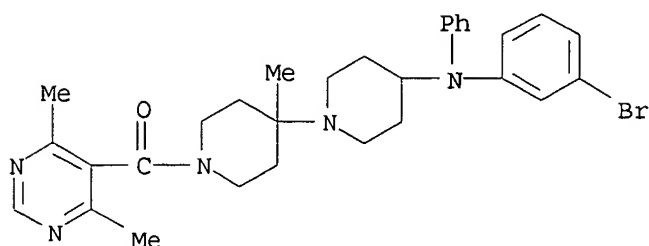
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-(4-pyridinylmethyl)- (9CI) (CA INDEX NAME)



RN 501446-38-4 CAPLUS

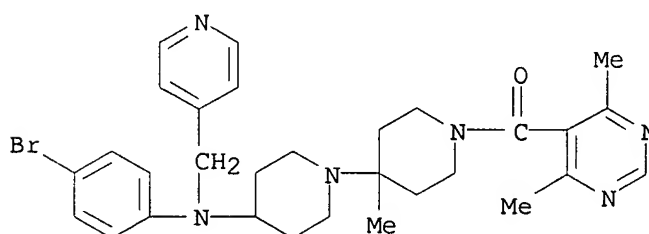
CN [1,4'-Bipiperidin]-4-amine, N-(3-bromophenyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]- (9CI) (CA INDEX NAME)

pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



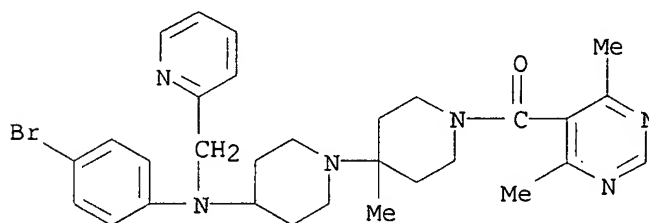
RN 501446-40-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(4-pyridinylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



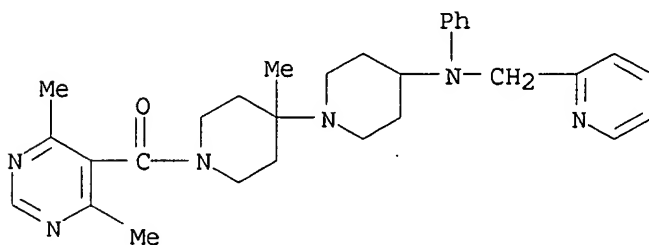
RN 501446-42-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(2-pyridinylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



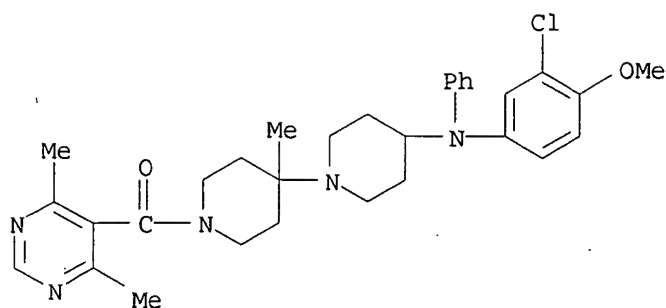
RN 501446-43-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)



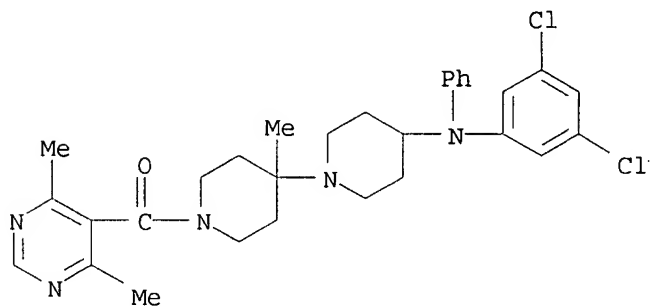
RN 501446-44-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3-chloro-4-methoxyphenyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



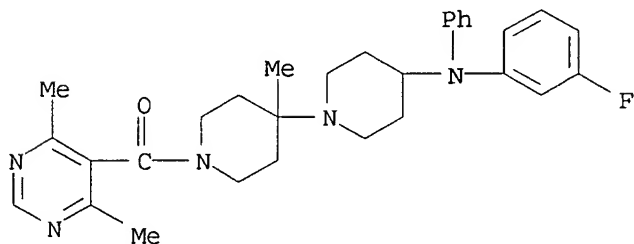
RN 501446-45-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,5-dichlorophenyl)-N-phenyl-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



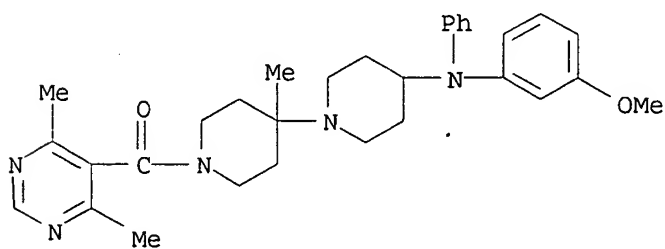
RN 501446-46-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(3-fluorophenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



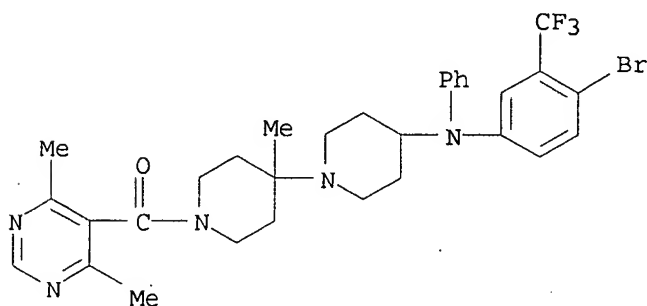
RN 501446-47-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(3-methoxyphenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



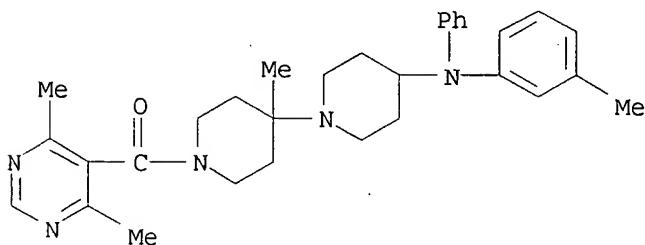
RN 501446-48-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[4-bromo-3-(trifluoromethyl)phenyl]-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



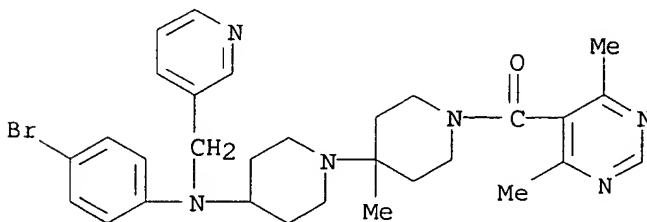
RN 501446-49-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(3-methylphenyl)-N-phenyl- (9CI) (CA INDEX NAME)



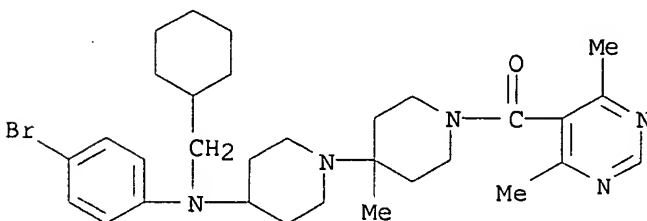
RN 501446-50-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(3-pyridinylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



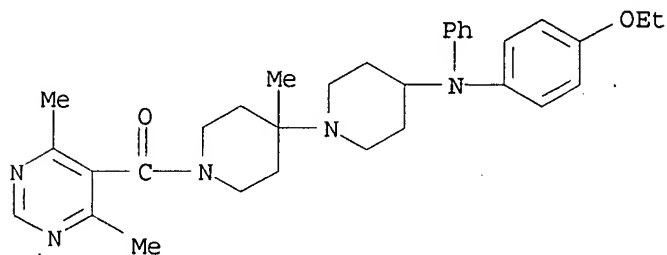
RN 501446-51-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(cyclohexylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



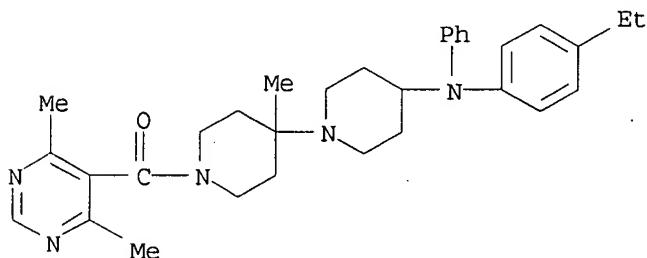
RN 501446-52-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-ethoxyphenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



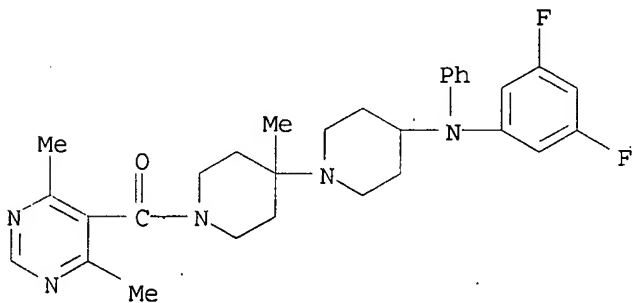
RN 501446-53-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-ethylphenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



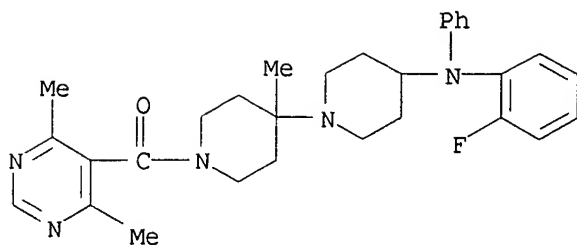
RN 501446-54-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(3,5-difluorophenyl)-N-phenyl-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



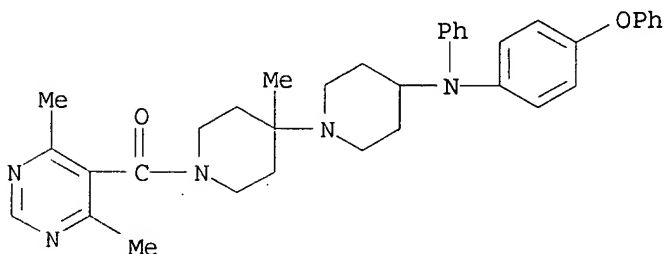
RN 501446-56-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(2-fluorophenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



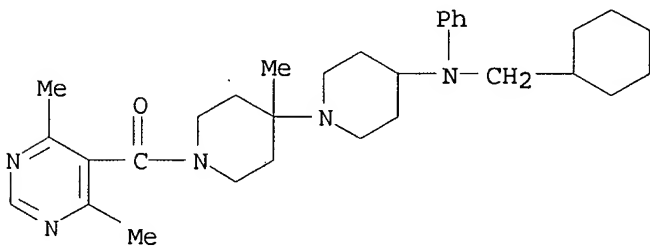
RN 501446-57-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(4-phenoxyphenyl)-N-phenyl- (9CI) (CA INDEX NAME)



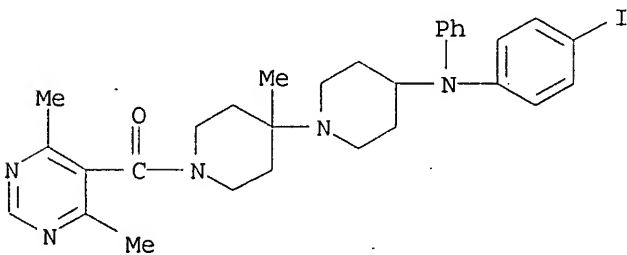
RN 501446-58-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(cyclohexylmethyl)-N-phenyl-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



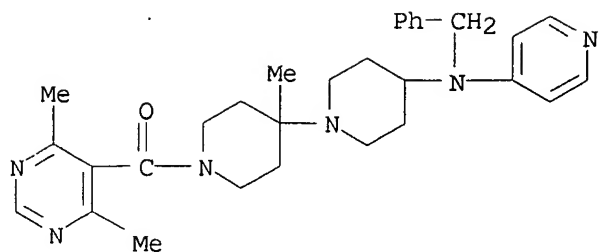
RN 501446-59-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-(4-iodophenyl)-N-phenyl-4'-methyl- (9CI) (CA INDEX NAME)



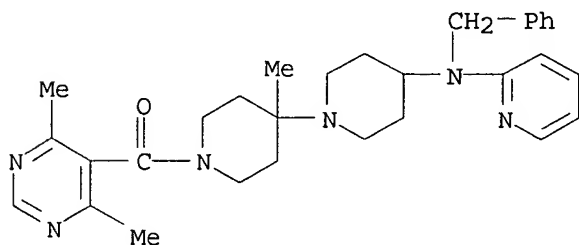
RN 501446-60-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-4-pyridinyl- (9CI) (CA INDEX NAME)



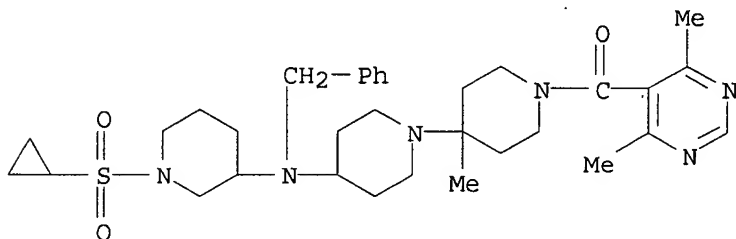
RN 501446-61-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-2-pyridinyl- (9CI) (CA INDEX NAME)



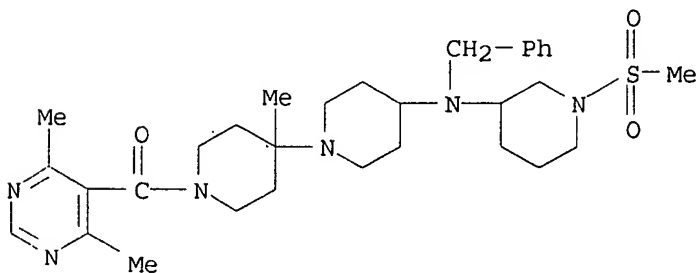
RN 501446-64-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-(cyclopropylsulfonyl)-3-piperidinyl]-N-(phenylmethyl)-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl- (9CI) (CA INDEX NAME)



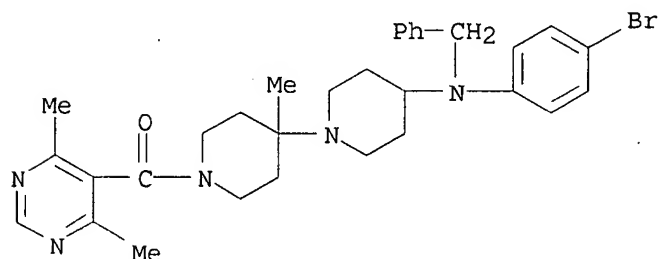
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CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-[1-(methanesulfonyl)-3-piperidinyl]-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 501446-74-8 CAPLUS

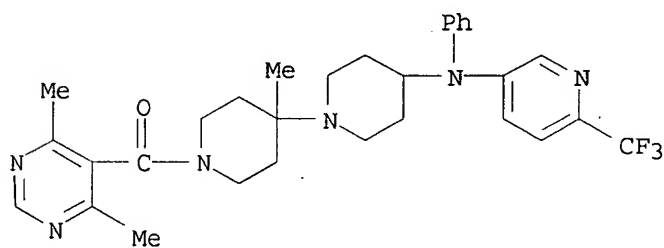
CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-N-(phenylmethyl)-1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 501446-77-1 CAPLUS

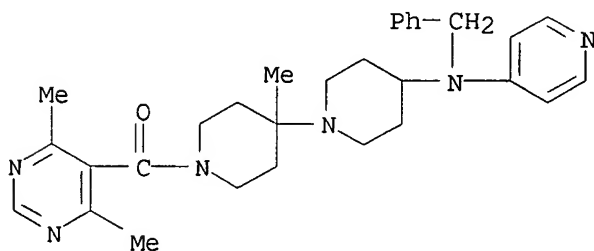
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-[6-(trifluoromethyl)-3-pyridinyl]-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 501446-80-6 CAPLUS

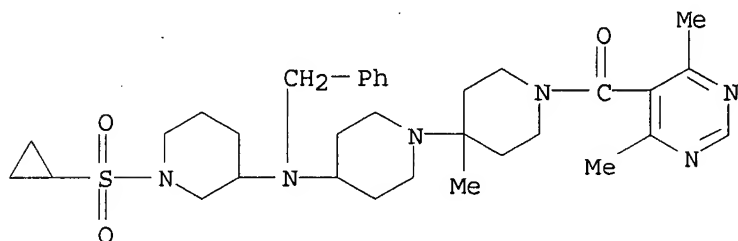
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-N-4-pyridinyl-, hydrochloride (9CI) (CA INDEX NAME)



●x HCl

RN 501446-90-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1-(cyclopropylsulfonyl)-3-piperidinyl]-1'-
[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-(phenylmethyl)-,
hydrochloride (9CI) (CA INDEX NAME)



● x HCl

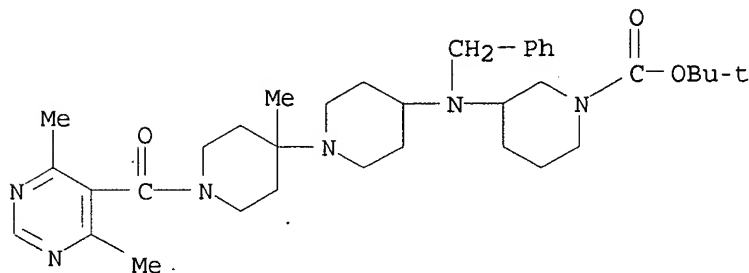
IT 501446-88-4P 501446-89-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(preparation of 1-[1-(pyrimidin-5-ylcarbonyl)piperidin-4-yl]piperidin-4-
amines as CCR5 antagonists)

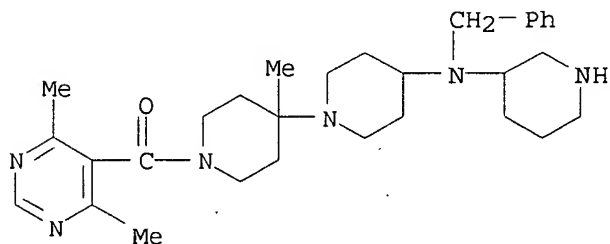
RN 501446-88-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-[[1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-
4'-methyl[1,4'-bipiperidin]-4-yl](phenylmethyl)amino]-, 1,1-dimethylethyl
ester (9CI) (CA INDEX NAME)



RN 501446-89-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-
methyl-N-(phenylmethyl)-N-3-piperidinyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:793604 CAPLUS

DOCUMENT NUMBER: 137:310816

TITLE: Preparation of bipiperidiny-derivatives and their use as chemokine receptors inhibitors

INVENTOR(S): Albert, Rainer; Bruns, Christian; Nuninger, Francois; Streiff, Markus; Thoma, Gebhard; Zerwes, Hans-Guenter

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.

SOURCE: PCT Int. Appl., 39 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

10/472,653

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081449	A1	20021017	WO 2002-EP3871	20020408
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SE, SG, SI, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VN, YU, ZA, ZW				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2439241	AA	20021017	CA 2002-2439241	20020408
EP 1379504	A1	20040114	EP 2002-730122	20020408
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1501915	A	20040602	CN 2002-807950	20020408
BR 2002008741	A	20040622	BR 2002-8741	20020408
JP 2004525174	T2	20040819	JP 2002-579437	20020408
NZ 528712	A	20050729	NZ 2002-528712	20020408
ZA 2003006432	A	20040604	ZA 2003-6432	20030819
US 2004142920	A1	20040722	US 2003-472653	20030922
NO 2003004324	A	20030926	NO 2003-4324	20030926
PRIORITY APPLN. INFO.:			GB 2001-8876	A 20010409
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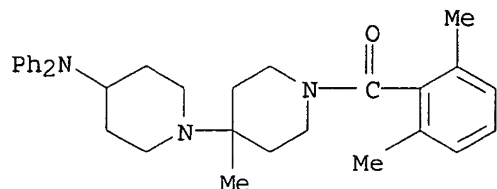
OTHER SOURCE(S): MARPAT 137:310816

IT 470689-12-4P 470689-13-5P 470689-14-6P
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470689-18-0P 470689-19-1P 470689-20-4P
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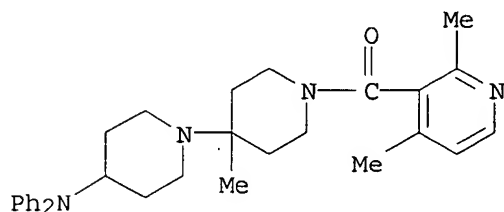
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

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(preparation of bipiperidinyl-derivs. and their use as chemokine receptors
inhibitors)
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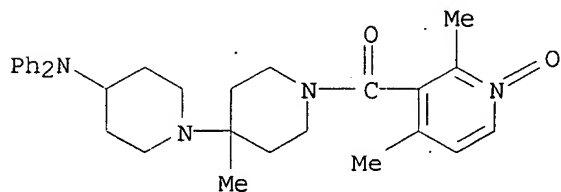
CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



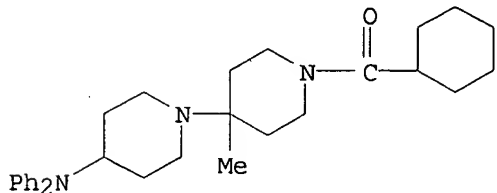
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



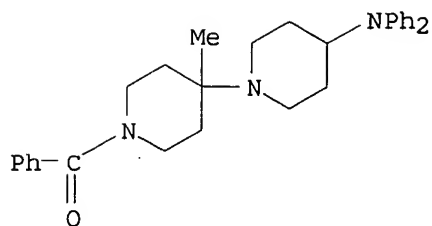
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



CN [1,4'-Bipiperidin]-4-amine, 1'-(cyclohexylcarbonyl)-4'-methyl-N,N-diphenyl-
(9CI) (CA INDEX NAME)

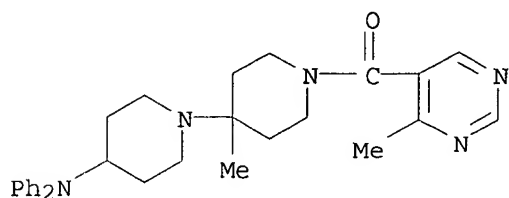


CN [1,4'-Bipiperidin]-4-amine, 1'-benzoyl-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



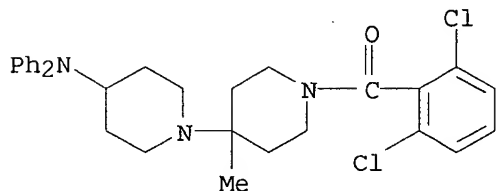
RN 470689-17-9 CAPLUS

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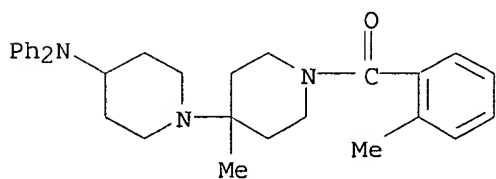
RN 470689-18-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dichlorobenzoyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



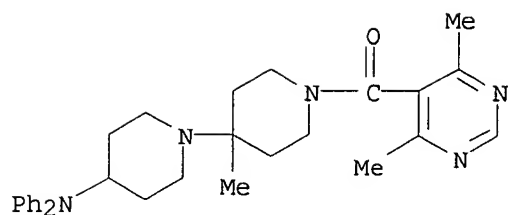
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CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'--(2-methylbenzoyl)-N,N-diphenyl- (9CI) (CA INDEX NAME)

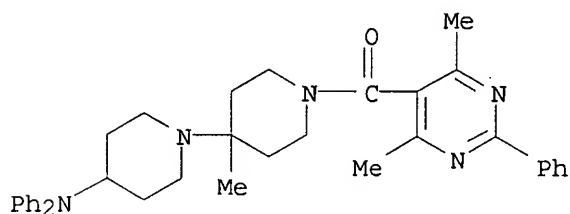


RN 470689-20-4 CAPLUS

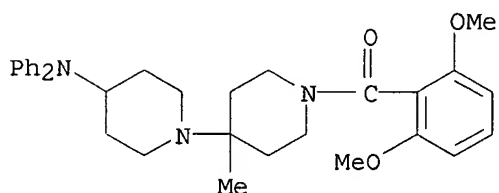
CN [1,4'-Bipiperidin]-4-amine, 1'-[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



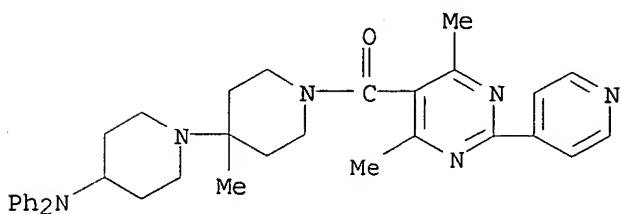
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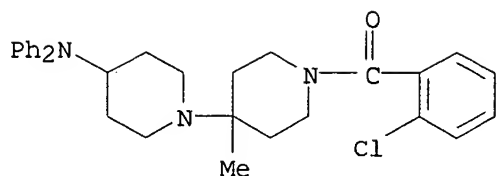
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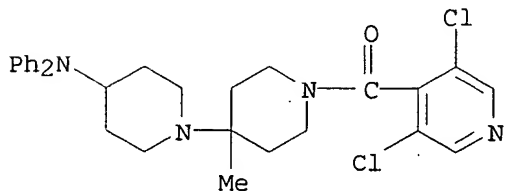
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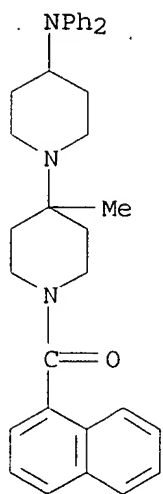
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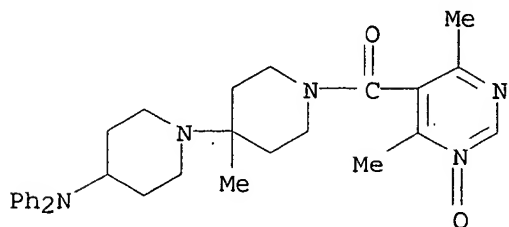
RN 470689-25-9 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(3,5-dichloro-4-pyridinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



RN 470689-26-0 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'--(1-naphthalenylcarbonyl)-N,N-diphenyl- (9CI) (CA INDEX NAME)

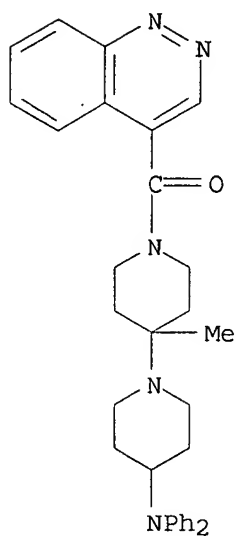


RN 470689-27-1 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-1-oxido-5-pyrimidinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



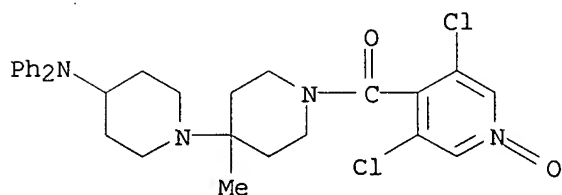
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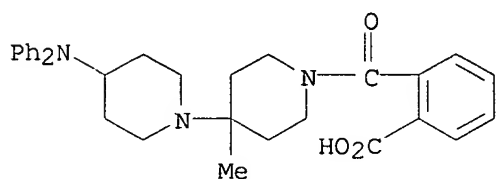
RN 470689-29-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(3,5-dichloro-1-oxido-4-pyridinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



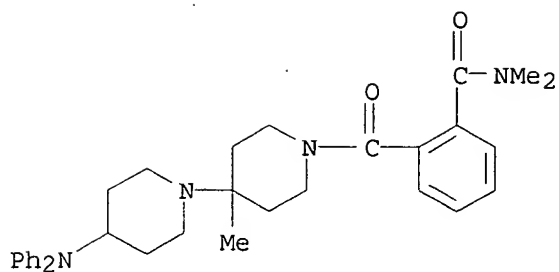
RN 470689-30-6 CAPLUS

CN Benzoic acid, 2-[[4-(diphenylamino)-4'-methyl[1,4'-bipiperidin]-1'-yl]carbonyl]- (9CI) (CA INDEX NAME)



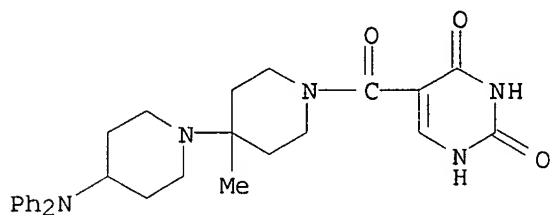
RN 470689-31-7 CAPLUS

CN Benzamide, 2-[[4-(diphenylamino)-4'-methyl[1,4'-bipiperidin]-1'-yl]carbonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



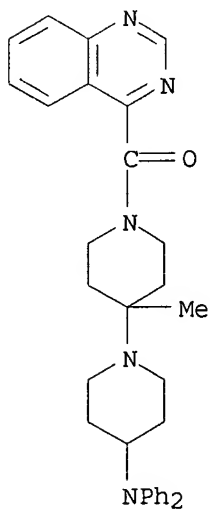
RN 470689-32-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N,N-diphenyl-1'--[(1,2,3,4-tetrahydro-2,4-dioxo-5-pyrimidinyl)carbonyl]- (9CI) (CA INDEX NAME)



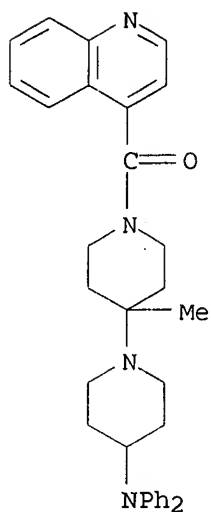
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CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N,N-diphenyl-1'--(4-quinazolinylcarbonyl)- (9CI) (CA INDEX NAME)



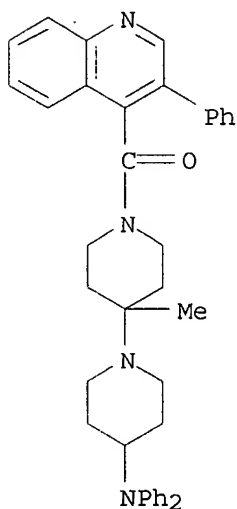
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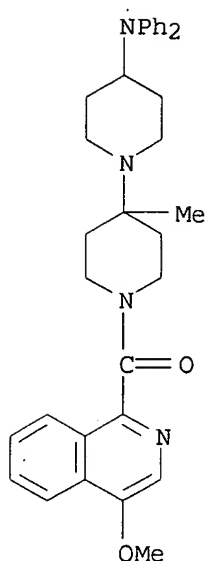
RN 470689-35-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-[(3-phenyl-4-quinolinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



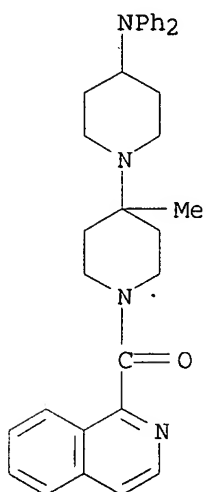
RN 470689-36-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(4-methoxy-1-isoquinolinyl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



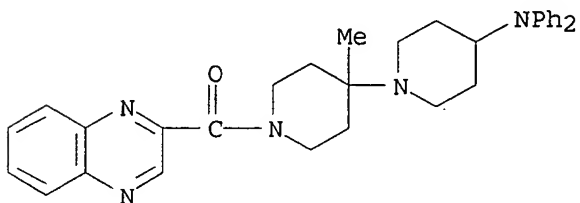
RN 470689-37-3 CAPLUS

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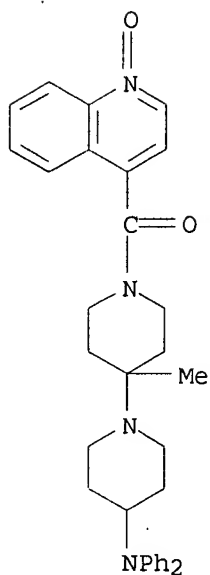
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CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-N,N-diphenyl-1'-(2-quinoxalinylicarbonyl)- (9CI) (CA INDEX NAME)



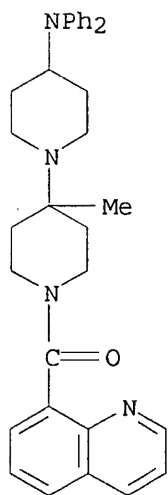
RN 470689-39-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-[(1-oxido-4-quinolinylicarbonyl)]-N,N-diphenyl- (9CI) (CA INDEX NAME)



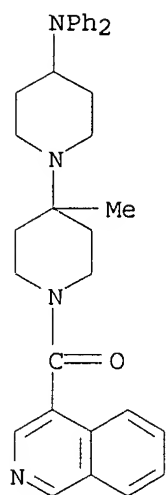
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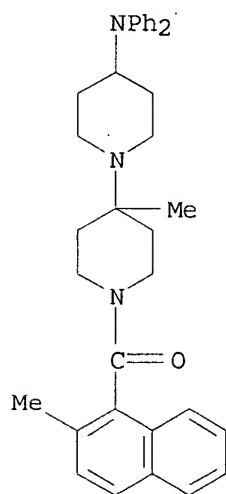
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CN [1,4'-Bipiperidin]-4-amine, 1'-(4-isoquinolinylcarbonyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



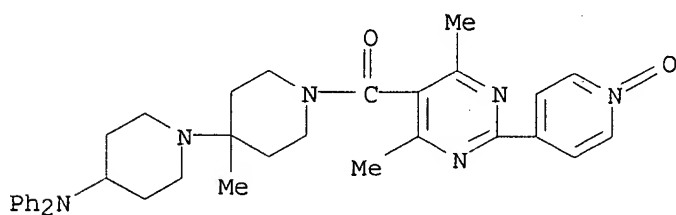
RN 470689-42-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'--[(2-methyl-1-naphthalenyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



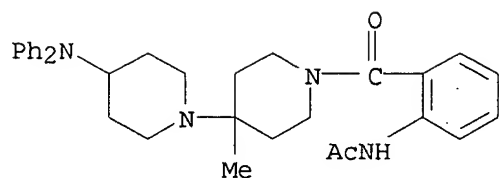
RN 470689-43-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[[4,6-dimethyl-2-(1-oxido-4-pyridinyl)-5-pyrimidinyl]carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)

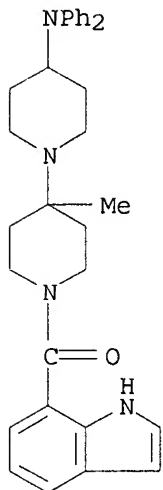


RN 470689-44-2 CAPLUS

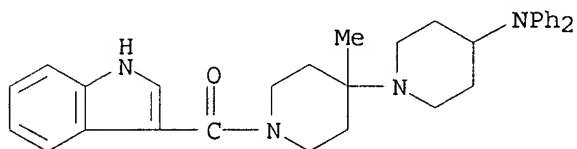
CN Acetamide, N-[2-[[4-(diphenylamino)-4'-methyl[1,4'-bipiperidin]-1'-yl]carbonyl]phenyl]- (9CI) (CA INDEX NAME)



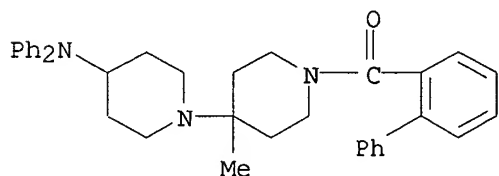
RN 470689-45-3 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--(1H-indol-7-ylcarbonyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



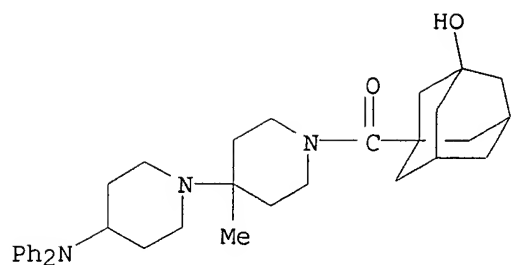
RN 470689-46-4 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--(1H-indol-3-ylcarbonyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



RN 470689-47-5 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--([1,1'-biphenyl]-2-ylcarbonyl)-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)

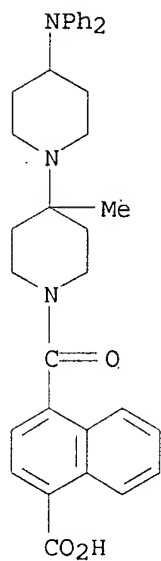


RN 470689-48-6 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(3-hydroxytricyclo[3.3.1.1.3,7]dec-1-yl)carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



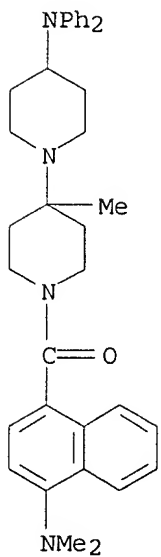
RN 470689-49-7 CAPLUS

CN 1-Naphthalenecarboxylic acid, 4-[[4-(diphenylamino)-4'-methyl[1,4'-bipiperidin]-1'-yl]carbonyl]- (9CI) (CA INDEX NAME)



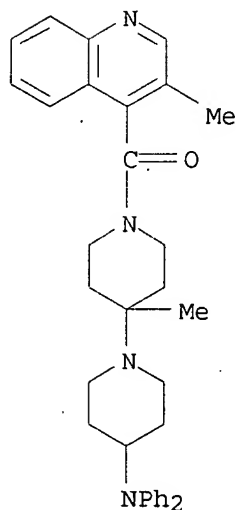
RN 470689-50-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[[4-(dimethylamino)-1-naphthalenyl]carbonyl]-4'-methyl-N,N-diphenyl- (9CI) (CA INDEX NAME)



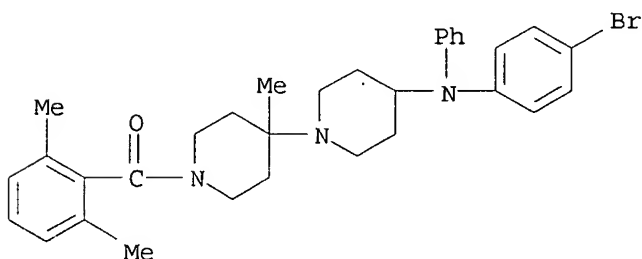
RN 470689-51-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 4'-methyl-1'-[(3-methyl-4-quinolinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



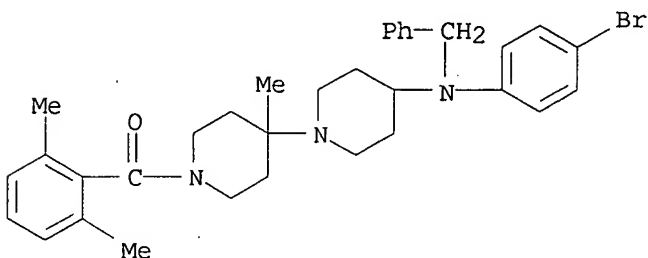
RN 470689-63-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'-(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



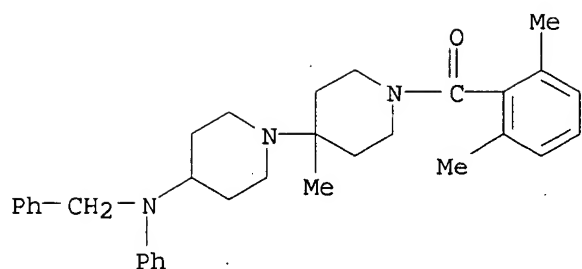
RN 470689-64-6 CAPLUS

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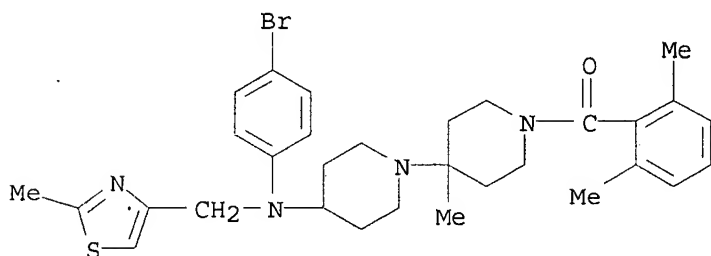
RN 470689-65-7 CAPLUS

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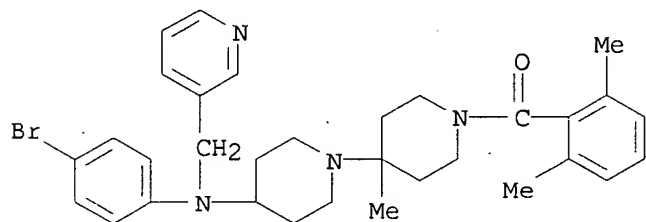
RN 470689-67-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'-(2,6-dimethylbenzoyl)-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



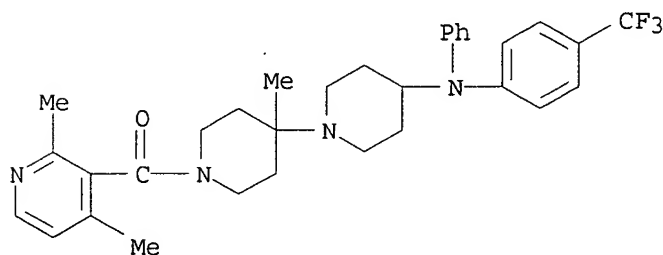
RN 470689-68-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'-(2,6-dimethylbenzoyl)-4'-methyl-N-(3-pyridinylmethyl)- (9CI) (CA INDEX NAME)



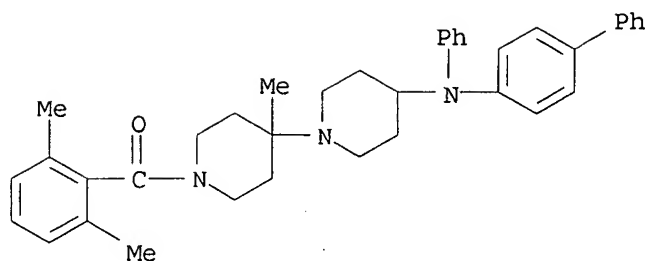
RN 470689-70-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



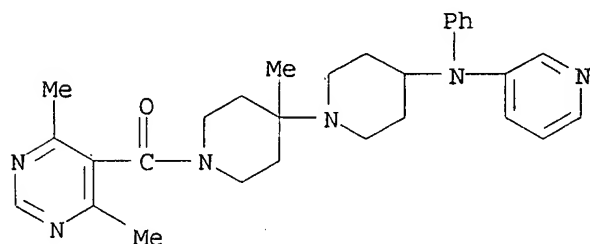
RN 470689-71-5 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-[1,1'-biphenyl]-4-yl-1'-(2,6-dimethylbenzoyl)-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



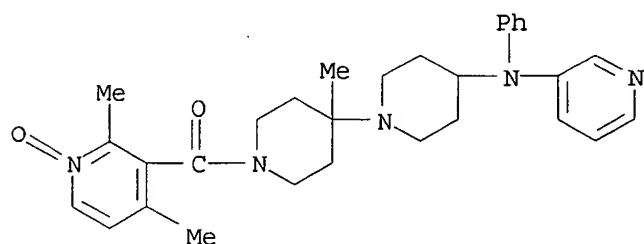
RN 470689-86-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



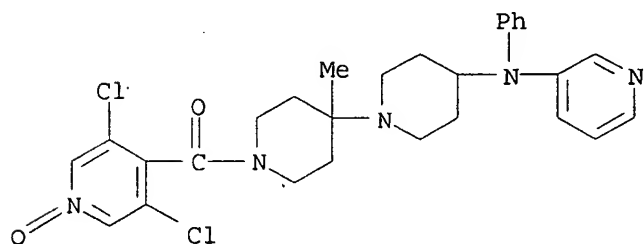
RN 470689-87-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 470689-88-4 CAPLUS

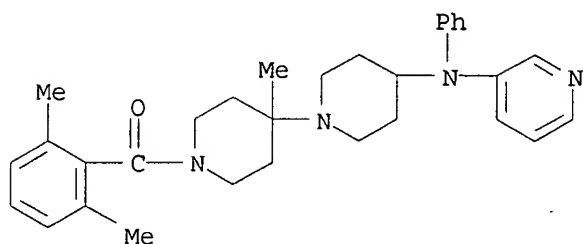
CN [1,4'-Bipiperidin]-4-amine, 1'--[(3,5-dichloro-1-oxido-4-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 470689-89-5 CAPLUS

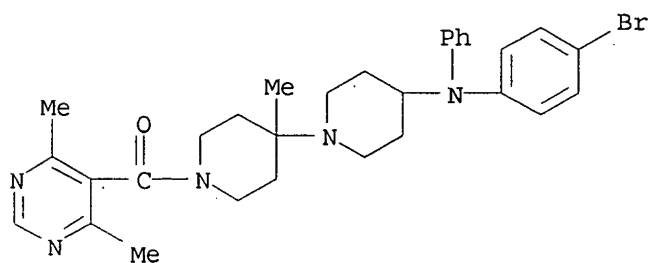
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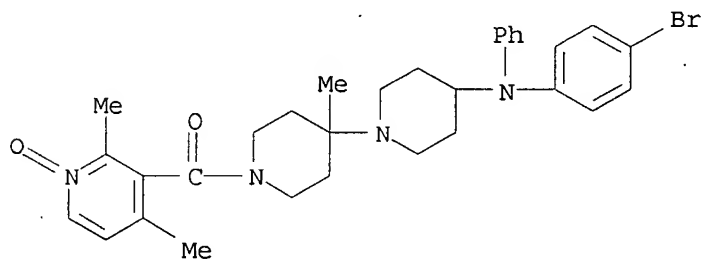
RN 470689-90-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



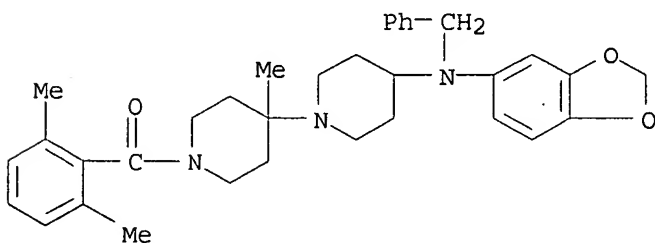
RN 470689-91-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl- (9CI) (CA INDEX NAME)



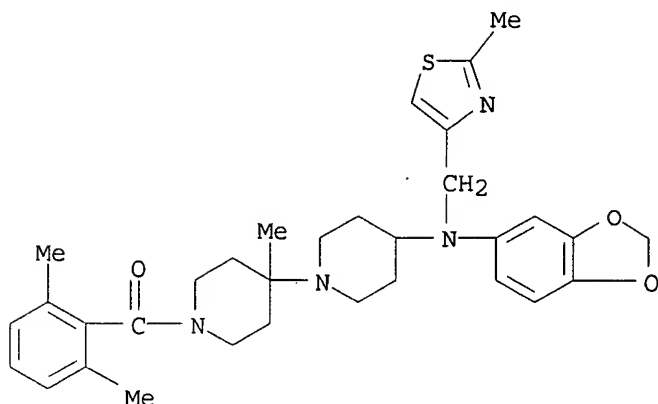
RN 470689-92-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-1,3-benzodioxol-5-yl-1'--(2,6-dimethylbenzoyl)-4'-methyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



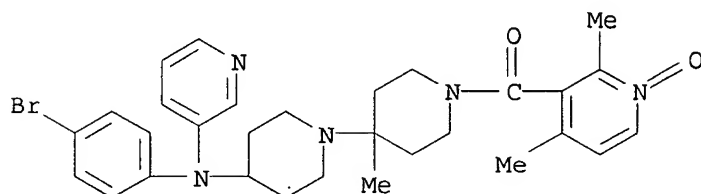
RN 470689-93-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-1,3-benzodioxol-5-yl-1'--(2,6-dimethylbenzoyl)-4'-methyl-N-[(2-methyl-4-thiazolyl)methyl]- (9CI) (CA INDEX NAME)



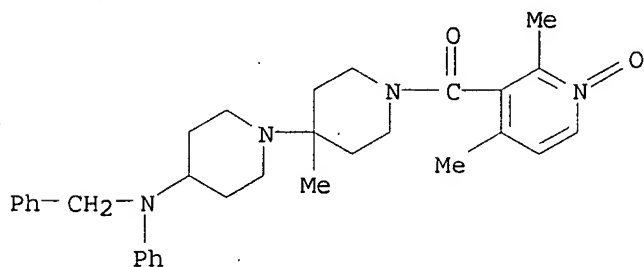
RN 470689-94-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



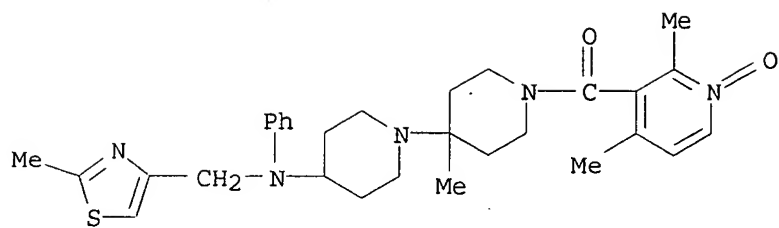
RN 470689-95-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-N-phenyl-N-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 470689-96-4 CAPLUS

CN 1,4'-Bipiperidine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-4'-methyl-4-[[[(2-methyl-4-thiazolyl)methyl]phenylamino]- (9CI) (CA INDEX NAME)



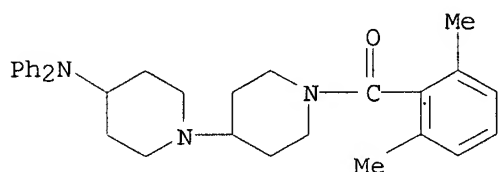
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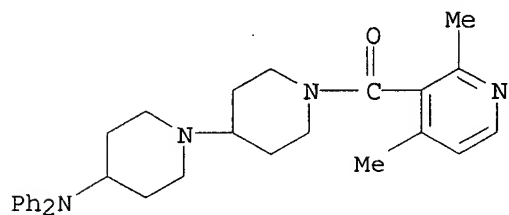
THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

No Methyl

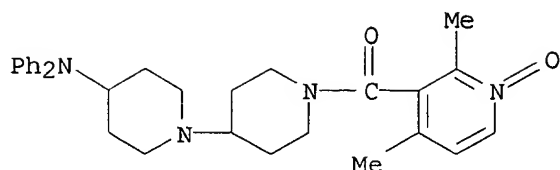
L15 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:196486 CAPLUS
DOCUMENT NUMBER: 140:368098
TITLE: Orally Bioavailable Competitive CCR5 Antagonists
AUTHOR(S): Thoma, Gebhard; Nüninger, Francois; Schaefer, Marc;
Akyel, Kayhan G.; Albert, Rainer; Beerli, Christian;
Bruns, Christian; Francotte, Eric; Luyten, Marcel;
MacKenzie, Duncan; Oberer, Lukas; Streiff, Markus B.;
Wagner, Trixie; Walter, Hansrudolf; Weckbecker,
Gisbert; Zerwes, Hans-Guenter
CORPORATE SOURCE: Novartis Institutes for BioMedical Research, Basel,
CH-4056, Switz.
SOURCE: Journal of Medicinal Chemistry (2004), 47(8),
1939-1955
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:368098
IT 470689-54-4P 470689-55-5P 470689-56-6P
470689-57-7P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic
preparation); BIOL (Biological study); PREP (Preparation)
(orally bioavailable competitive CCR5 antagonists)
RN 470689-54-4 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-N,N-diphenyl- (9CI)
(CA INDEX NAME)



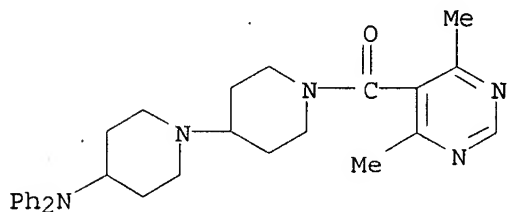
RN 470689-55-5 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-3-pyridinyl)carbonyl]-N,N-
diphenyl- (9CI) (CA INDEX NAME)



RN 470689-56-6 CAPLUS
CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-
pyridinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



RN 470689-57-7 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2002:793604 CAPLUS
 DOCUMENT NUMBER: 137:310816
 TITLE: Preparation of bipiperidinyl-derivatives and their use as chemokine receptors inhibitors
 INVENTOR(S): Albert, Rainer; Bruns, Christian; Nuninger, Francois; Streiff, Markus; Thoma, Gebhard; Zerwes, Hans-Guenter
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis-Erfindungen Verwaltungsgesellschaft m.b.H.
 SOURCE: PCT Int. Appl., 39 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002081449	A1	20021017	WO 2002-EP3871	20020408
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SE, SG, SI, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VN, YU, ZA, ZW				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
CA 2439241	AA	20021017	CA 2002-2439241	20020408
EP 1379504	A1	20040114	EP 2002-730122	20020408
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
CN 1501915	A	20040602	CN 2002-807950	20020408
BR 2002008741	A	20040622	BR 2002-8741	20020408
JP 2004525174	T2	20040819	JP 2002-579437	20020408
NZ 528712	A	20050729	NZ 2002-528712	20020408
ZA 2003006432	A	20040604	ZA 2003-6432	20030819
US 2004142920	A1	20040722	US 2003-472653	20030922
NO 2003004324	A	20030926	NO 2003-4324	20030926

PRIORITY APPLN. INFO.:

GB 2001-8876
WO 2002-EP3871

A 20010409
W 20020408

OTHER SOURCE(S): MARPAT 137:310816

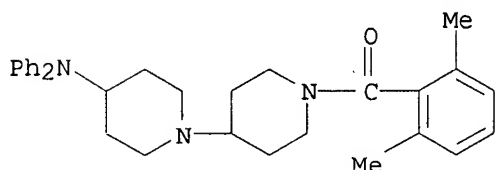
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470689-79-3P 470689-80-6P 470689-81-7P
470689-82-8P 470689-83-9P 470689-84-0P
470689-85-1P

RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of bipiperidinylderivs. and their use as chemokine receptors inhibitors)

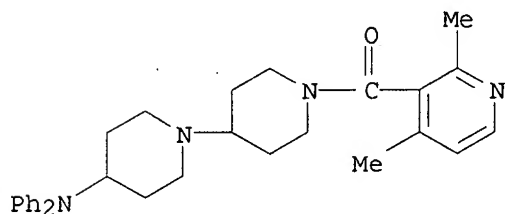
RN 470689-54-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-(2,6-dimethylbenzoyl)-N,N-diphenyl- (9CI)
(CA INDEX NAME)



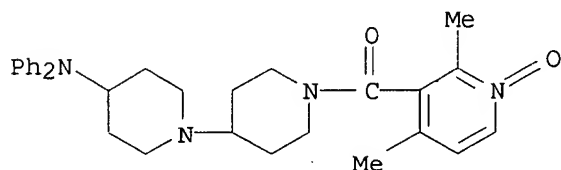
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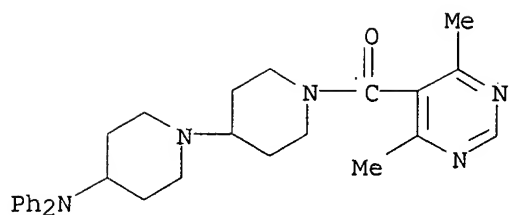
RN 470689-56-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'-[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



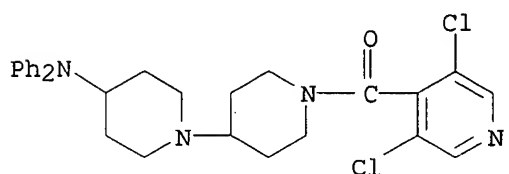
RN 470689-57-7 CAPLUS

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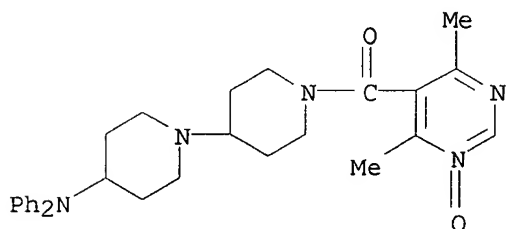
RN 470689-58-8 CAPLUS

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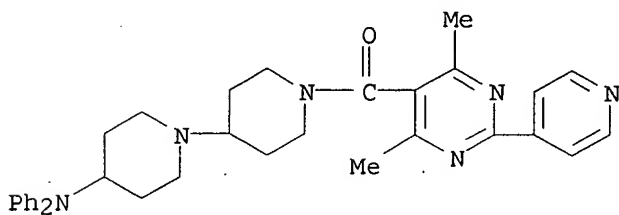
RN 470689-60-2 CAPLUS

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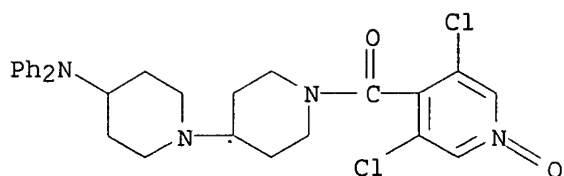
RN 470689-61-3 CAPLUS

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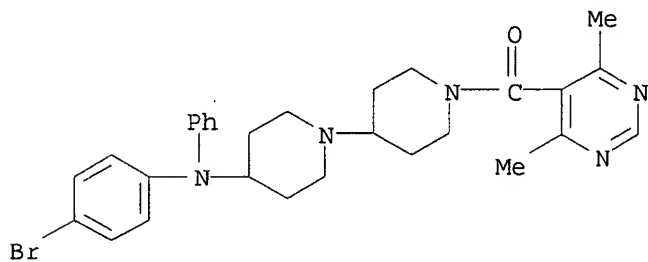
RN 470689-62-4 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(3,5-dichloro-1-oxido-4-pyridinyl)carbonyl]-N,N-diphenyl- (9CI) (CA INDEX NAME)



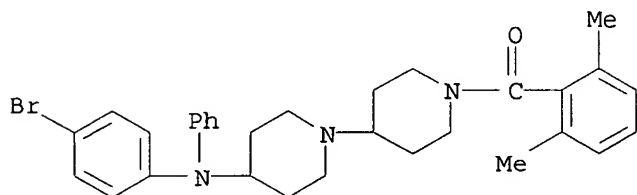
RN 470689-72-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



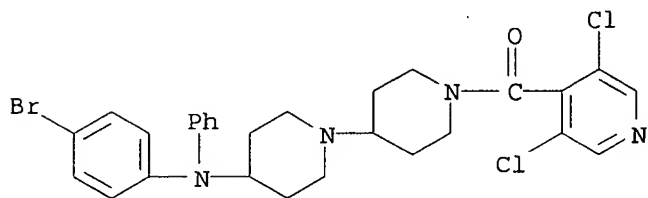
RN 470689-73-7 CAPLUS

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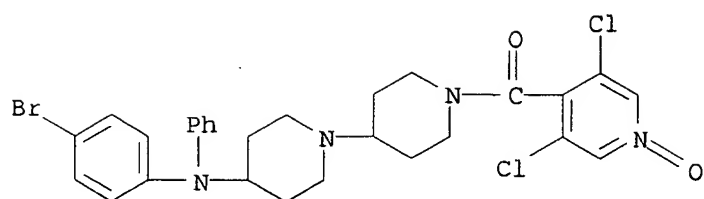
RN 470689-74-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(3,5-dichloro-4-pyridinyl)carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



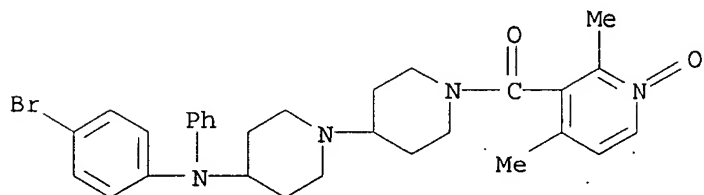
RN 470689-75-9 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(3,5-dichloro-1-oxido-4-pyridinyl)carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



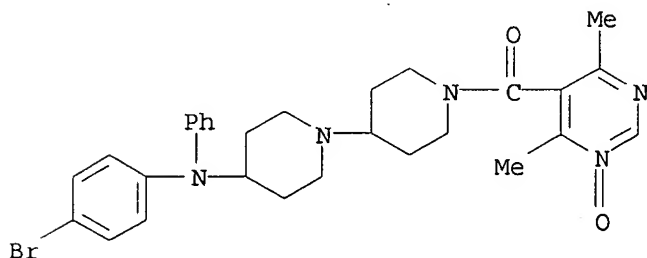
RN 470689-76-0 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



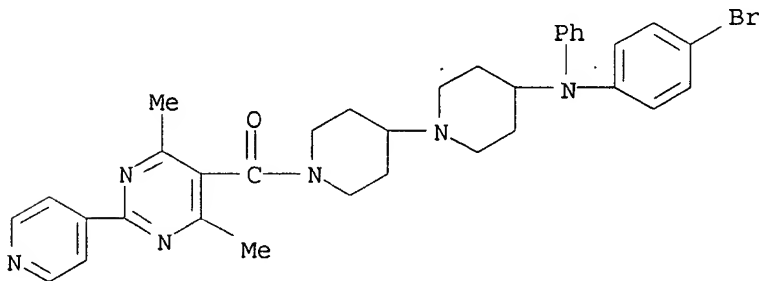
RN 470689-77-1 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[(4,6-dimethyl-1-oxido-5-pyrimidinyl)carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



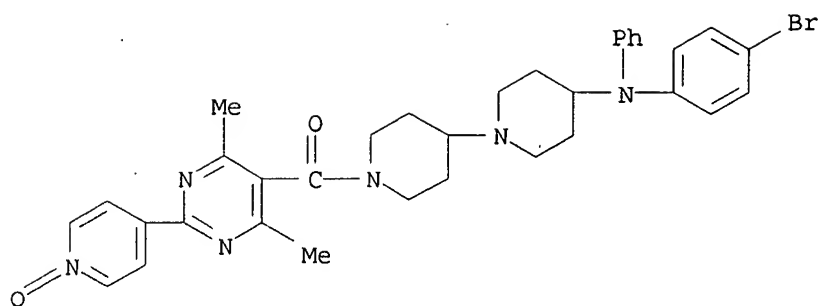
RN 470689-78-2 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[[4,6-dimethyl-2-(4-pyridinyl)-5-pyrimidinyl]carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



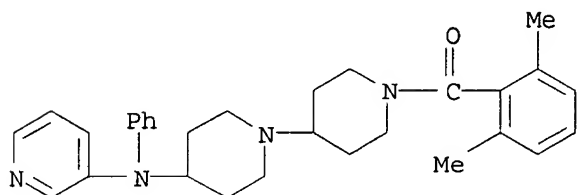
RN 470689-79-3 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, N-(4-bromophenyl)-1'--[[4,6-dimethyl-2-(1-oxido-4-pyridinyl)-5-pyrimidinyl]carbonyl]-N-phenyl- (9CI) (CA INDEX NAME)



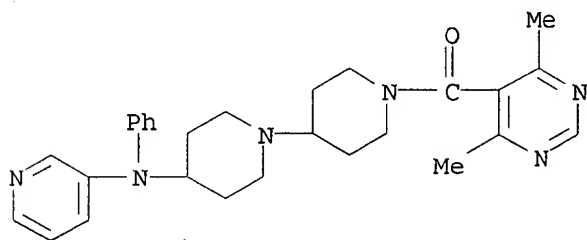
RN 470689-80-6 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--(2,6-dimethylbenzoyl)-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



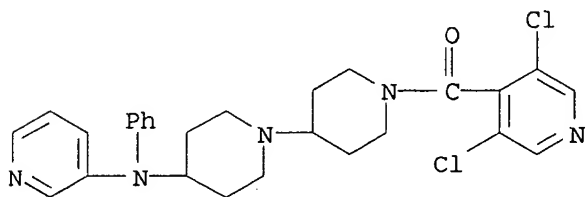
RN 470689-81-7 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-5-pyrimidinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



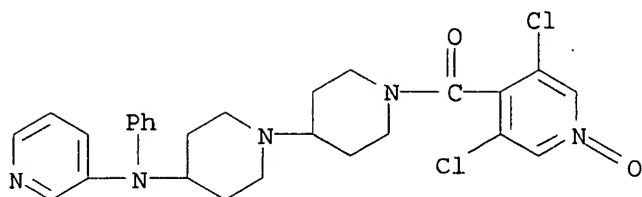
RN 470689-82-8 CAPLUS

CN [1,4'-Bipiperidin]-4-amine, 1'--[(3,5-dichloro-4-pyridinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)

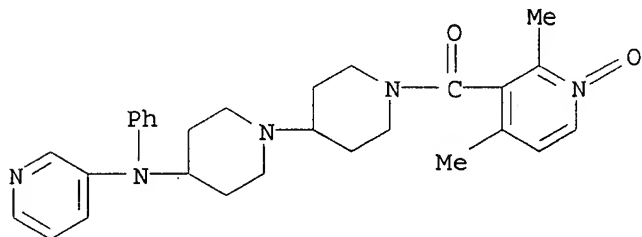


RN 470689-83-9 CAPLUS

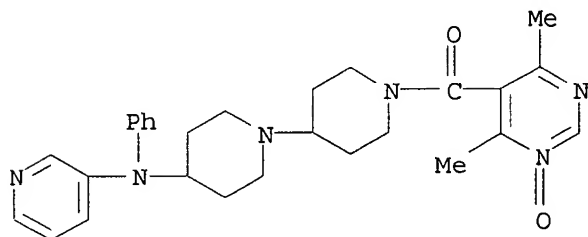
CN [1,4'-Bipiperidin]-4-amine, 1'--[(3,5-dichloro-1-oxido-4-pyridinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 470689-84-0 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(2,4-dimethyl-1-oxido-3-pyridinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



RN 470689-85-1 CAPLUS
 CN [1,4'-Bipiperidin]-4-amine, 1'--[(4,6-dimethyl-1-oxido-5-pyrimidinyl)carbonyl]-N-phenyl-N-3-pyridinyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1997:499056 CAPLUS
 DOCUMENT NUMBER: 127:149078
 TITLE: Preparation of aroyl 4-piperidinopiperidides and analogs as tachykinin receptor antagonists
 INVENTOR(S): Jansseens, Frans Eduard; Sommen, Francois Maria; Surleraux, Dominique Louis Nestor Ghislaine
 PATENT ASSIGNEE(S): Janssen Pharmaceutica N. V., Belg.
 SOURCE: PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9724324	A1	19970710	WO 1996-EP5883	19961220
W: AL, AM, AU, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, LC, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AZ, BY, KZ, RU, TJ, TM				

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

TW 531537	B	20030511	TW 1996-85115391	19961213
CA 2238818	AA	19970710	CA 1996-2238818	19961220
AU 9713084	A1	19970728	AU 1997-13084	19961220
AU 707037	B2	19990701		
EP 855999	A1	19980805	EP 1996-944691	19961220
EP 855999	B1	20011004		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI

CN 1206406	A	19990127	CN 1996-199389	19961220
CN 1131854	B	20031224		
BR 9612334	A	19990302	BR 1996-12334	19961220
JP 2000502690	T2	20000307	JP 1997-524031	19961220
AT 206397	E	20011015	AT 1996-944691	19961220
ES 2164939	T3	20020301	ES 1996-944691	19961220
PT 855999	T	20020328	PT 1996-944691	19961220
IL 124640	A1	20020523	IL 1996-124640	19961220
SK 283555	B6	20030911	SK 1998-831	19961220
CZ 296316	B6	20060215	CZ 1998-1864	19961220
ZA 9610885	A	19980623	ZA 1996-10885	19961223
NO 9802404	A	19980819	NO 1998-2404	19980527
NO 310913	B1	20010917		
US 6169097	B1	20010102	US 1998-102295	19980622
HK 1011205	A1	20020308	HK 1998-112227	19981124
US 6346540	B1	20020212	US 2000-615523	20000713

PRIORITY APPLN. INFO.:

EP 1995-203651	A	19951227
WO 1996-EP5883	W	19961220
US 1998-102295	A1	19980622

OTHER SOURCE(S): MARPAT 127:149078

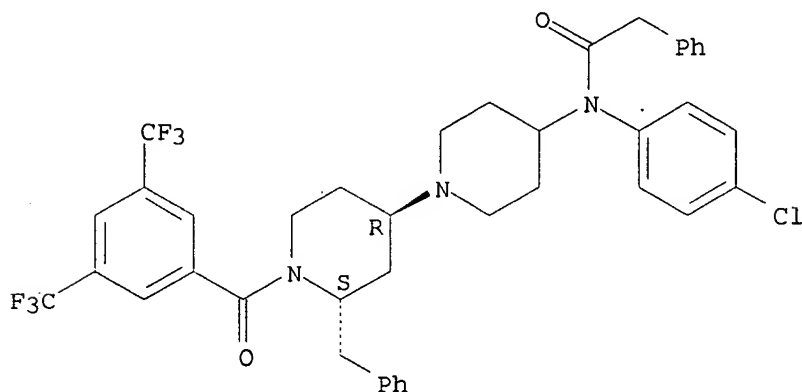
IT 193479-62-8P 193479-63-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aroyl 4-piperidinopiperidides and analogs as tachykinin receptor antagonists)

RN 193479-62-8 CAPLUS

CN Benzeneacetamide, N-[1'-[3,5-bis(trifluoromethyl)benzoyl]-2'-(phenylmethyl) [1,4'-bipiperidin]-4-yl]-N-(4-chlorophenyl)-, trans- (9CI)
(CA INDEX NAME)

Relative stereochemistry.



RN 193479-63-9 CAPLUS

CN Benzeneacetamide, N-[1'-[3,5-bis(trifluoromethyl)benzoyl]-2'-(phenylmethyl) [1,4'-bipiperidin]-4-yl]-N-(4-chlorophenyl)-, cis- (9CI)

(CA INDEX NAME)

Relative stereochemistry.

